



Lab Manual

Microsoft Exchange Server-2013

Mapped Course

Lab Manual



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Introduction

This lab manual is part of the courseware for the Microsoft Exchange Server 2013 training offered by Zoom Technologies.

Microsoft Exchange Server is one of the most popular mail servers in organizations across the globe. This lab manual comprehensively covers everything, from Exchange Server installation, to mailbox quotas, restrictions, content filtering and high availability configuration.

It's written in a clear and concise style, with step by step instructions and screenshots to make the life of the administrator easy. All exercises have been divided into sections:

- Objective
- Prerequisite
- Topology
- Configuration
- Verification

With this lab manual, the system administrator will become familiar with the nitty gritty of mail server configuration. Hopefully, this book will also serve him well in the course of his job.

We have taken care to ensure a high quality workbook. However, suggestions and feedback from the students are most welcome.





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Lab – 1: Installation of Exchange Server-2013 Application

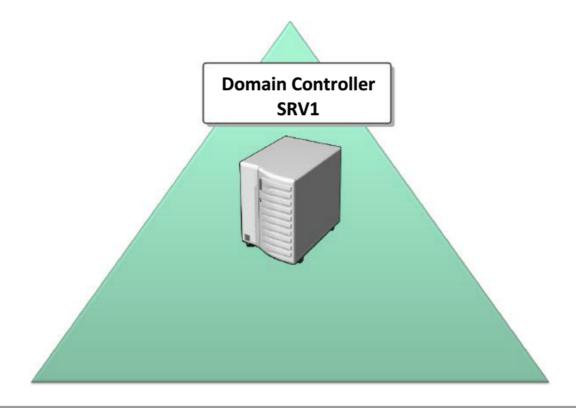
Objective:

To install Exchange Server Application

Pre-requisites:

- Computer with a Processor of minimum 1.6 GHz speed or faster for production and minimum
 8 GB of RAM required.
- Computer running with Windows Server 2012 Operating System.
- Domain Controller with DNS Service.
- Run the following command in Windows PowerShell to install other required components Install-WindowsFeature AS-HTTP-Activation, Desktop-Experience, NET-Framework-45-Features, RPC-over-HTTP-proxy, RSAT-Clustering, RSAT-Clustering-CmdInterface, RSAT-Clustering-Mgmt, RSAT-Clustering-PowerShell, Web-Mgmt-Console, WAS-Process-Model, Web-Asp-Net45, Web-Basic-Auth, Web-Client-Auth, Web-Digest-Auth, Web-Dir-Browsing, Web-Dyn-Compression, Web-Http-Errors, Web-Http-Logging, Web-Http-Redirect, Web-Http-Tracing, Web-ISAPI-Ext, Web-ISAPI-Filter, Web-Lgcy-Mgmt-Console, Web-Metabase, Web-Mgmt-Console, Web-Mgmt-Service, Web-Net-Ext45, Web-Request-Monitor, Web-Server, Web-Stat-Compression, Web-Static-Content, Web-Windows-Auth, Web-WMI, Windows-Identity-Foundation
- Install Microsoft Unified Communications Managed API 4.0 Core Runtime 64-bit in Mail
 Server
- Install Microsoft Office 2010 Filter Pack 64 bit in Mail Server.
- Install Microsoft Office 2010 Filter Pack SP1 64 bit in Mail Server.

Topology:



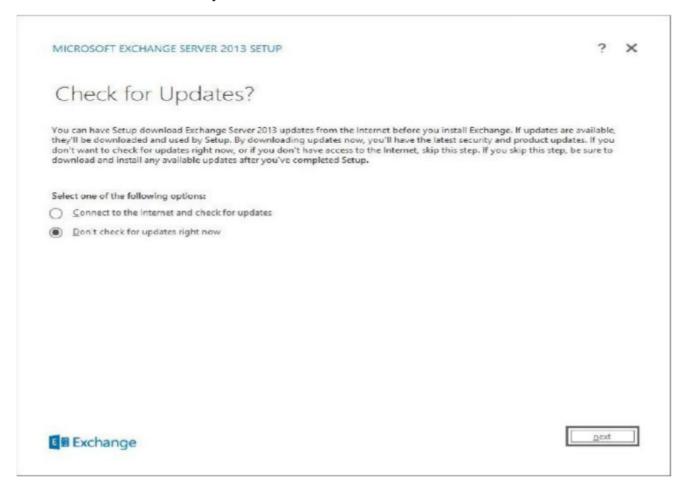




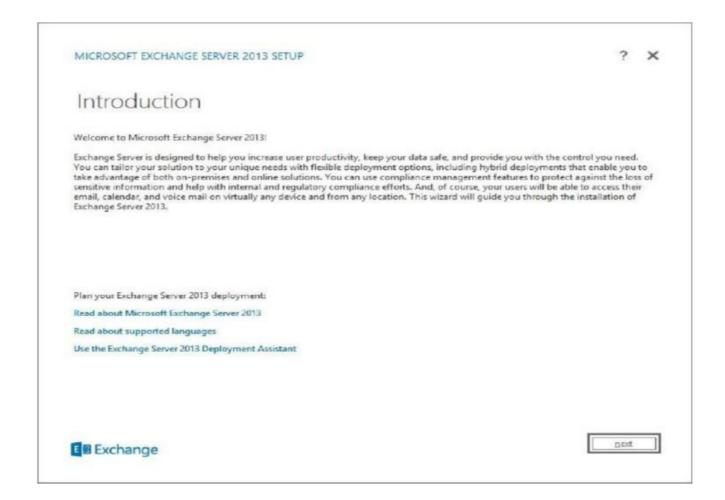
IP Address: 10.0.0.1 Preffered DNS: 10.0.0.1

Steps:

- Insert Exchange Server 2013 DVD and double click Setup.exe
- Select Don't check for update→ click Next.



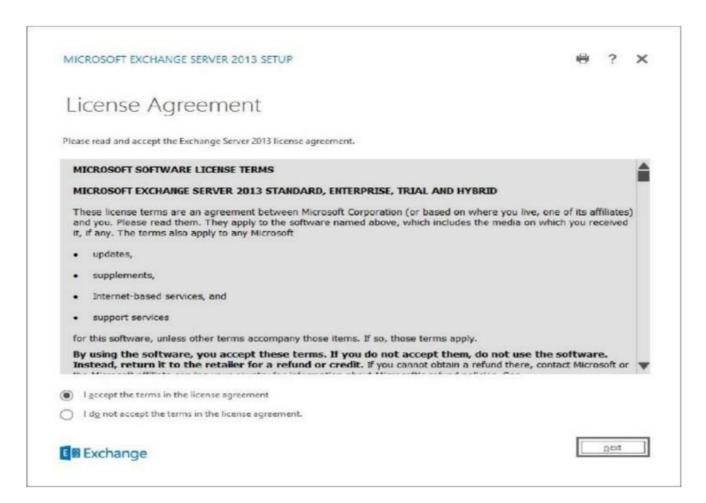
Click Next



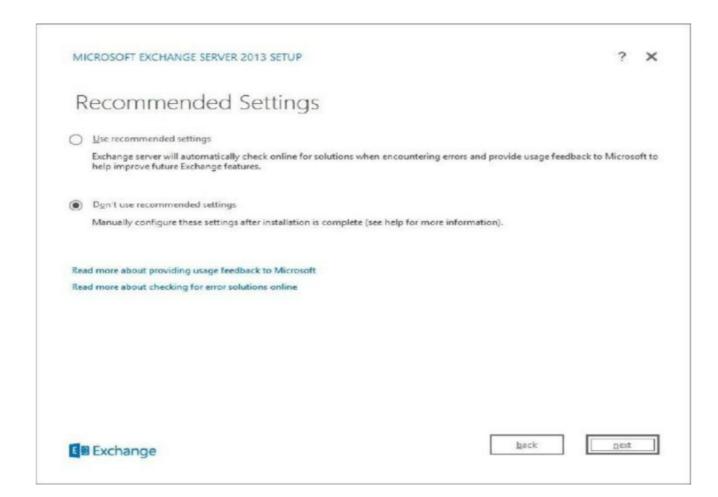




Select I accept→click Next



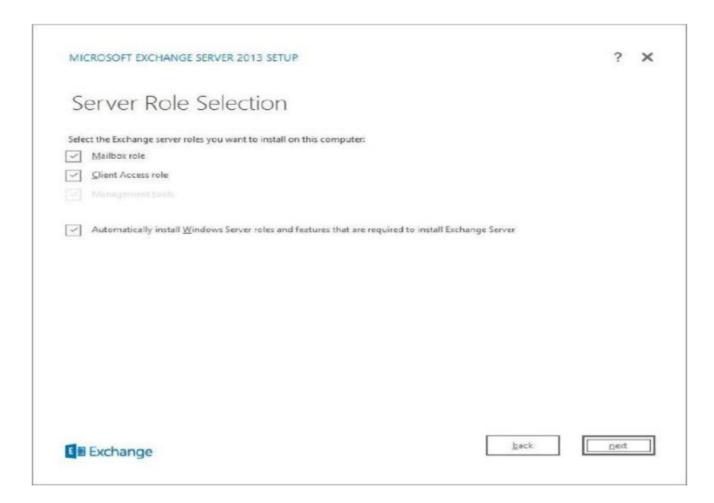
5. Select **Don't use recommended settings**→click **Next**



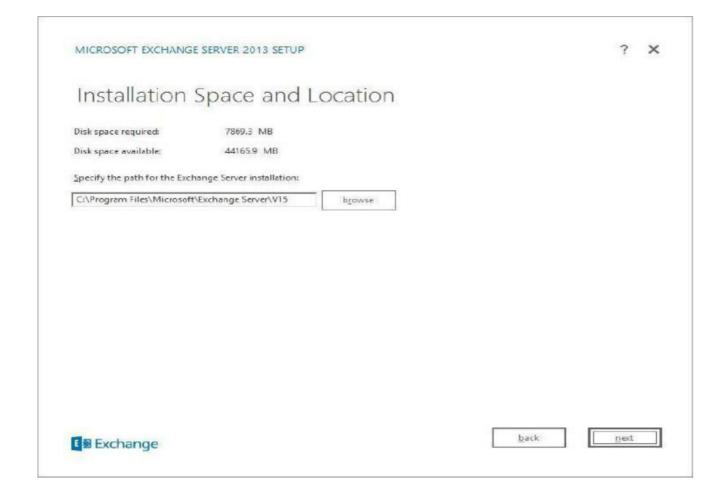




Check the box Mailbox role & Client Access role→click Next



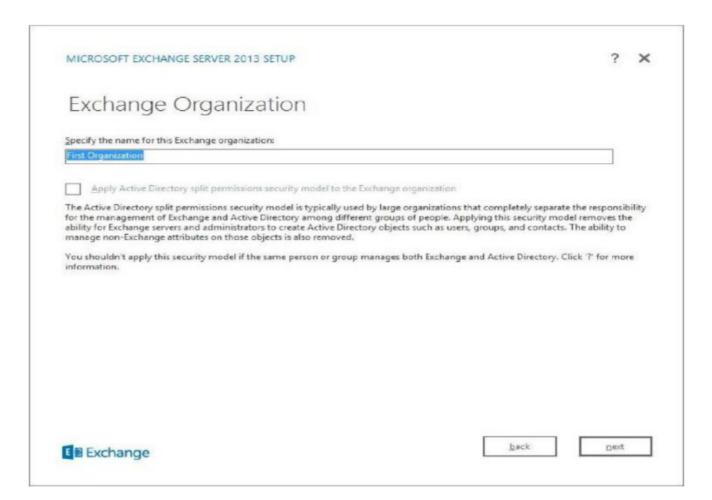
Click Next







Click Next



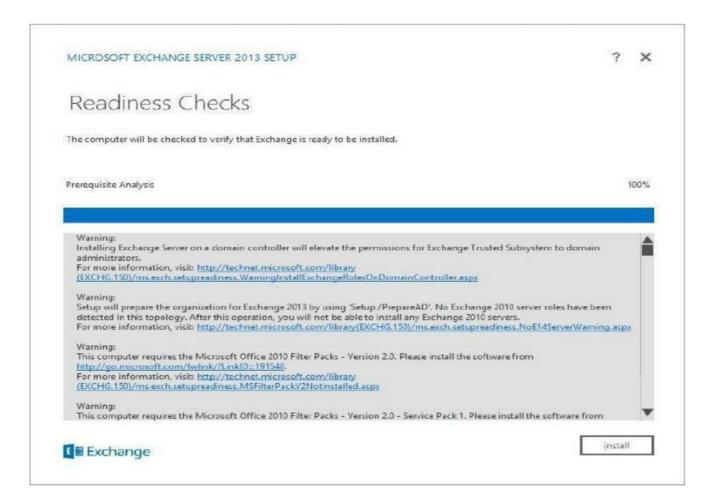
Select No→click Next



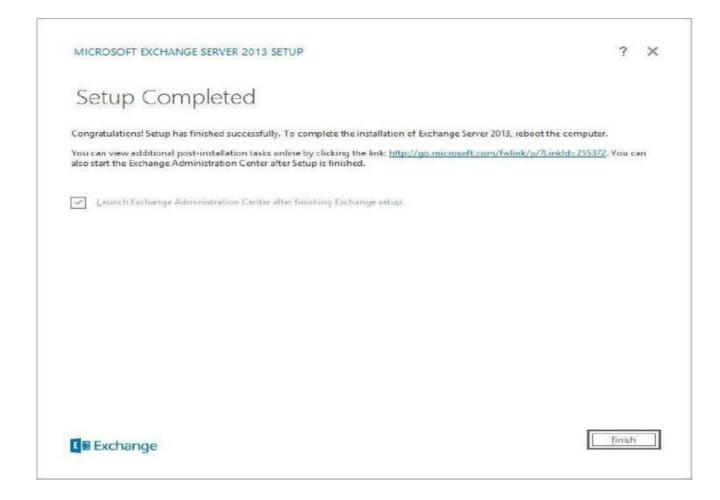




Click Install



Click Finish







Lab – 2: Creating Mailbox Enabled User

Objective:

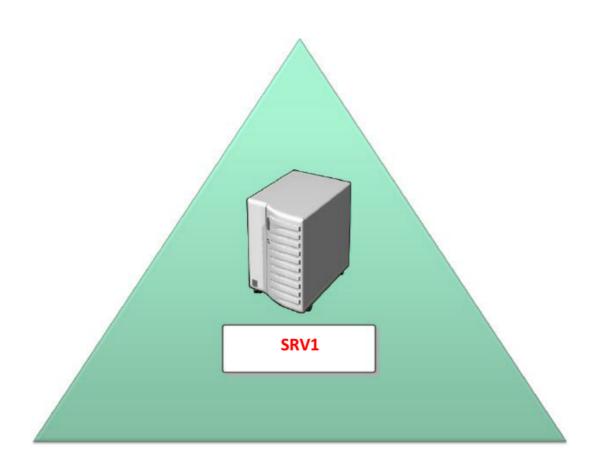
To configure Email account in Exchange Server using Exchange Admin Center Console.

Pre-requisites:

Before working on this lab, you must have

• A computer running Windows 2012 Server Domain Controller with Exchange Server application installed.

Topology:



EXCHANGE.COM

SRV1

Domain Controller

IP Address 10.0.0.1 Subnet Mask 255.0.0.0 Preferred DNS 10.0.0.1





Steps:

Start



• Open Internet Explorer

Microsoft Exchange Server-2013



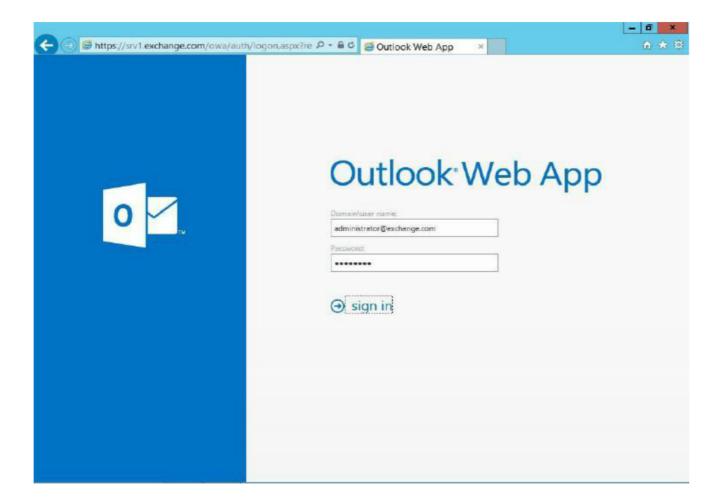


• Enter the address https://FullyQualified Domain Name / Virtual Directory Name

(Ex: https://srv1.exchange.com/ecp)



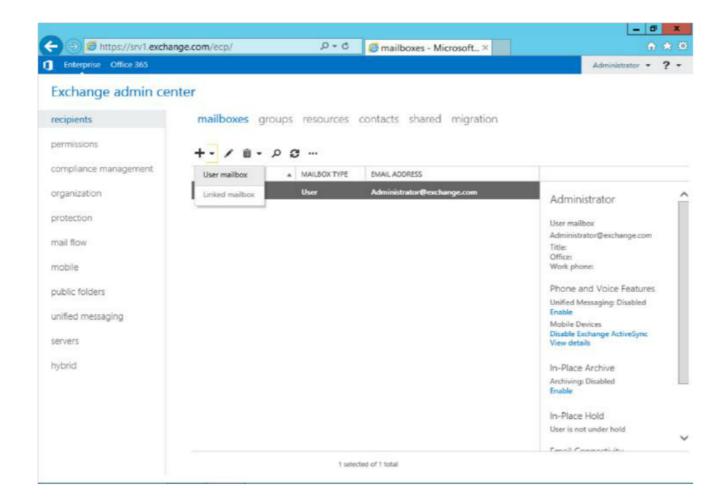
● Enter User Name and Password→click sign in



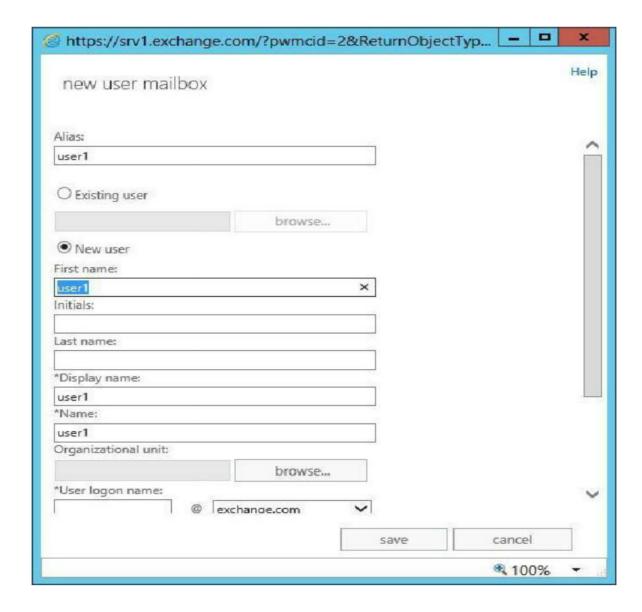




In Exchange Admin Center→select Recipients→select Mailboxes tab→Expand (+) →select
 User Mailbox



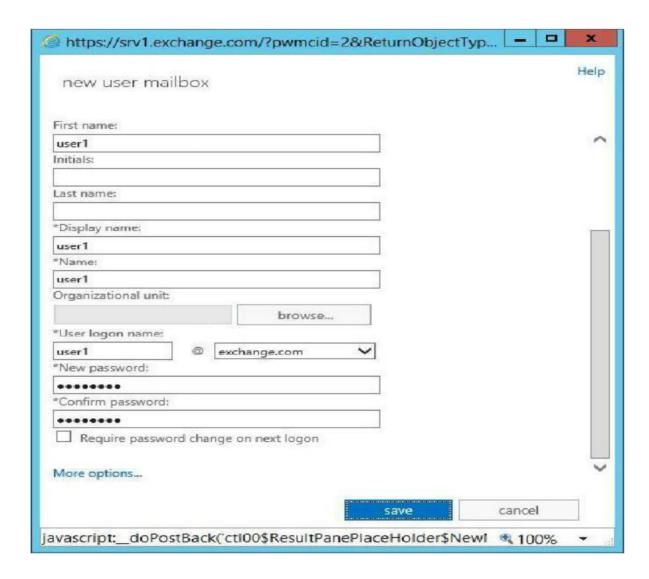
• Enter Alias name, select New name, enter First name→scroll down



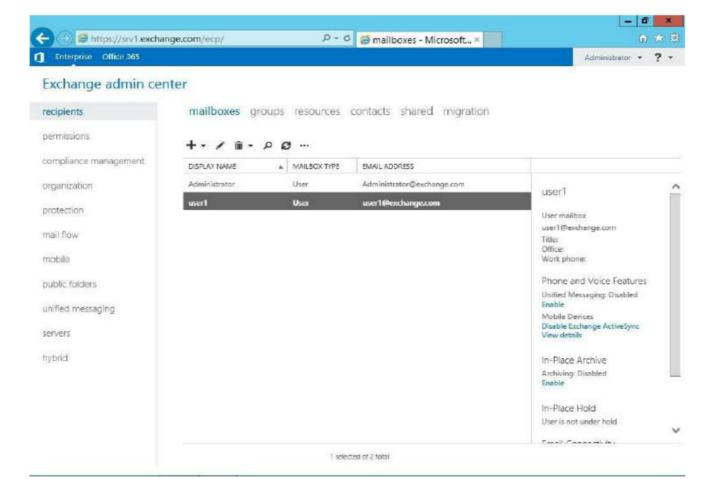




Enter User name and Password→click Save



User1 displayed on List View



Similarly create Mailbox Enabled User (Ex: User2)





Lab – 3: Creating Mail User

Objective:

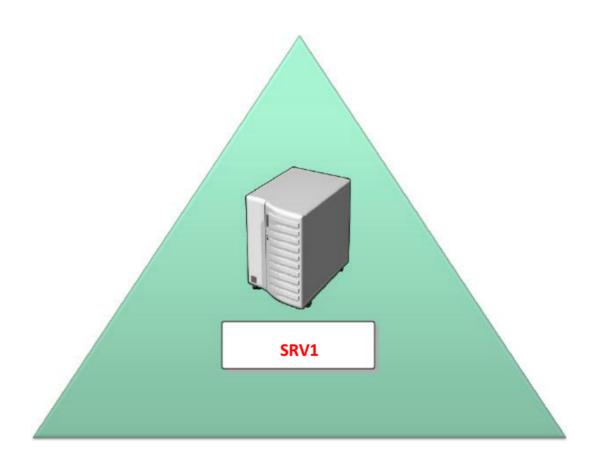
To configure Mail User in Exchange Server using Exchange Admin Center Console.

Pre-requisites:

Before working on this lab, you must have

 A computer running Windows 2012 Server Domain Controller with Exchange Server application installed.

Topology:



EXCHANGE.COM

SRV1

Domain Controller

IP Address 10.0.0.1 Subnet Mask 255.0.0.0 Preferred DNS 10.0.0.1





Steps:

Start



• Open Internet Explorer





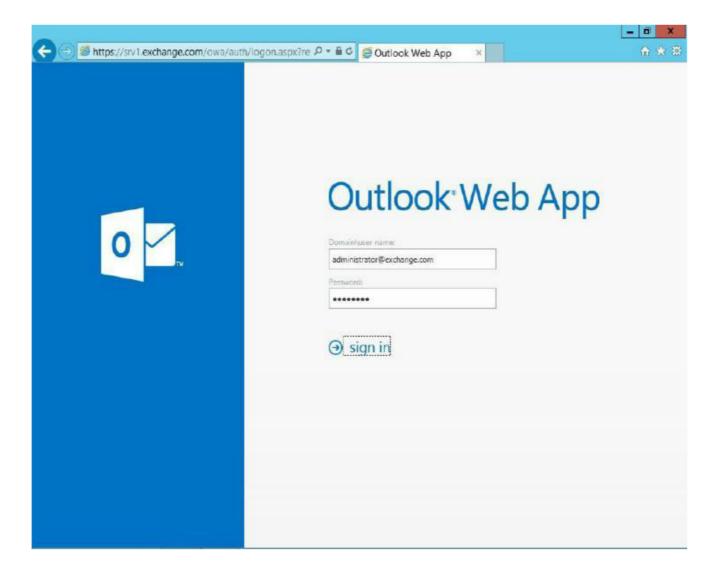


Enter the address https://FullyQualified Domain Name / Virtual Directory Name

(Ex: https://srv1.exchange.com/ecp)



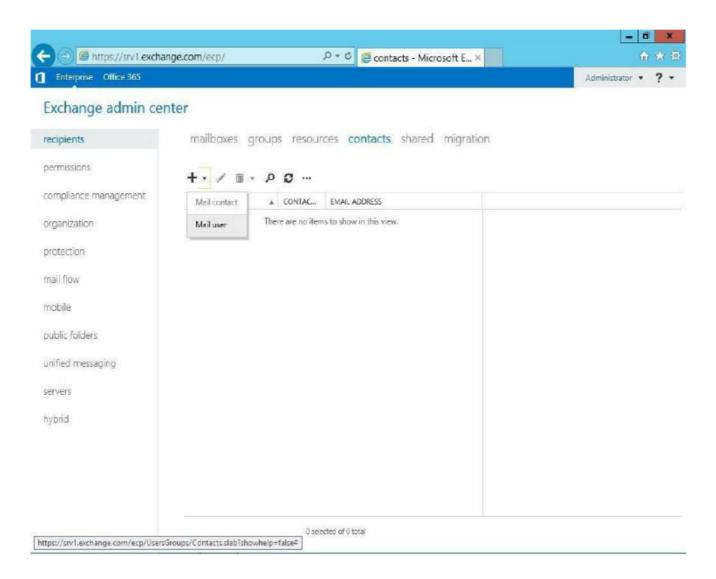
Enter User Name and Password→click sign in



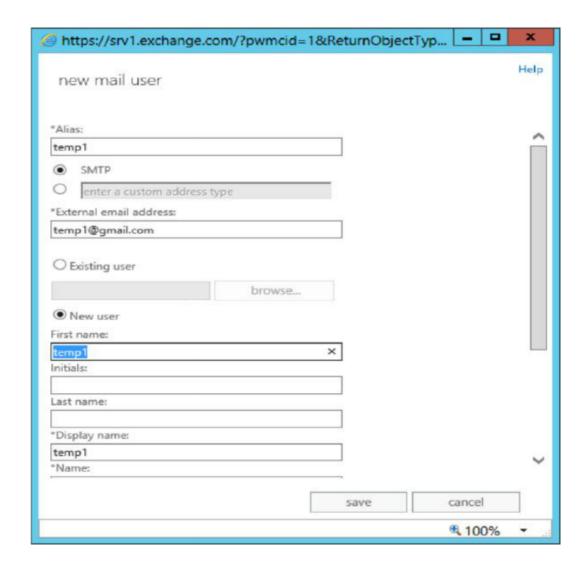




In Exchange Admin Center→select Recipients→select Contacts tab→Expand (+) →select Mail
 User



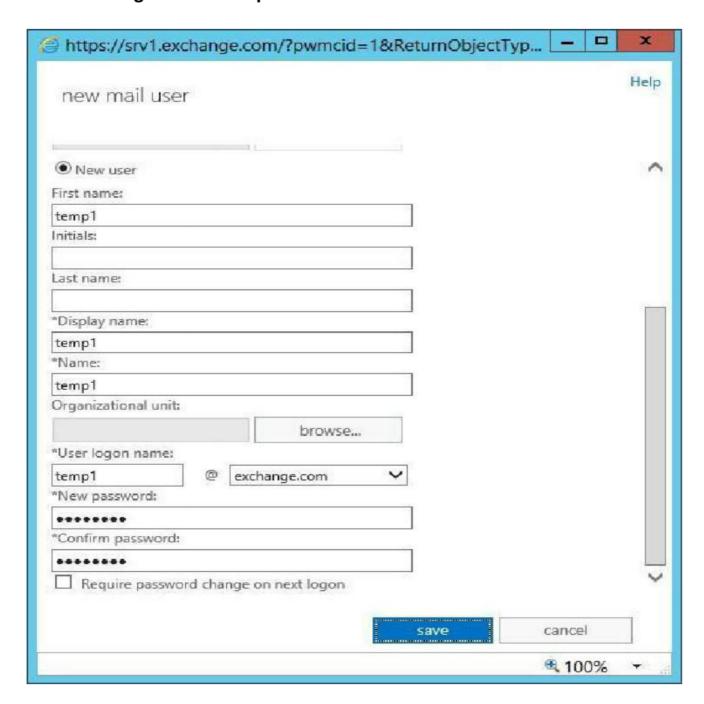
Enter Alias name→enter external email address→select New user→ enter First name→scroll
 down







Enter User logon name and password→click Save







Lab – 4: Creating Mail Contact

Objective:

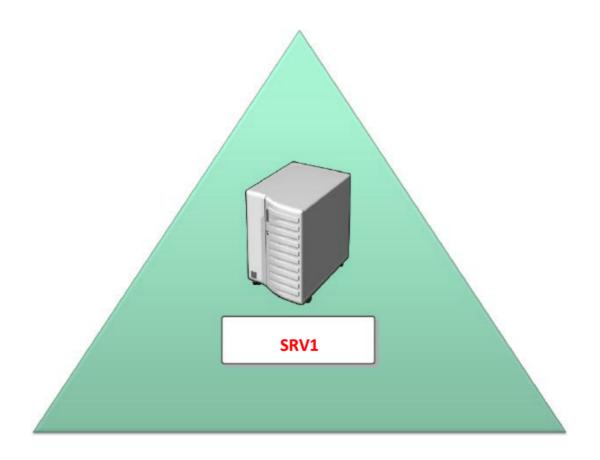
To configure Mail Contact in Exchange Server using Exchange Admin Center Console.

Pre-requisites:

Before working on this lab, you must have

• A computer running Windows 2012 Server Domain Controller with Exchange Server application installed.

Topology:



EXCHANGE.COM

SRV1

Domain Controller

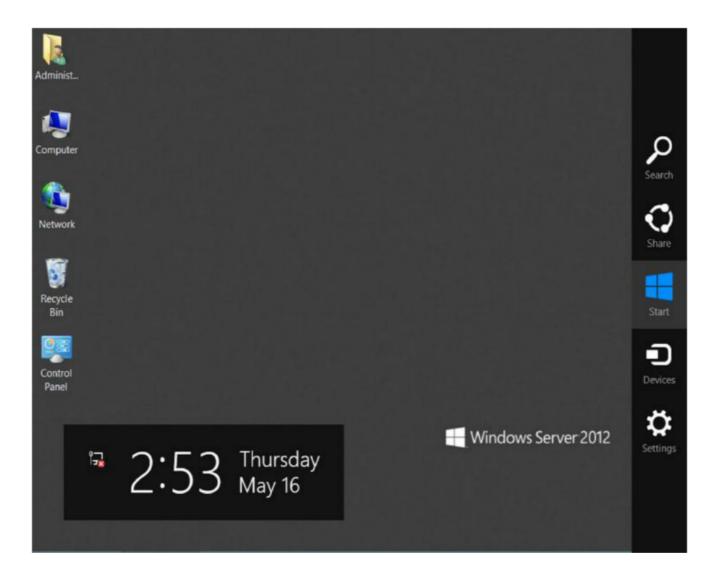
IP Address 10.0.0.1 Subnet Mask 255.0.0.0 Preferred DNS 10.0.0.1



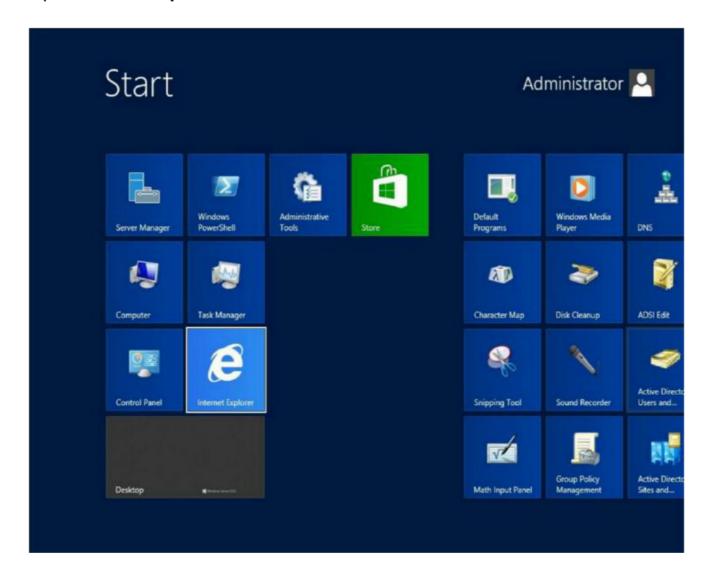


Steps:

Start



• Open Internet Explorer





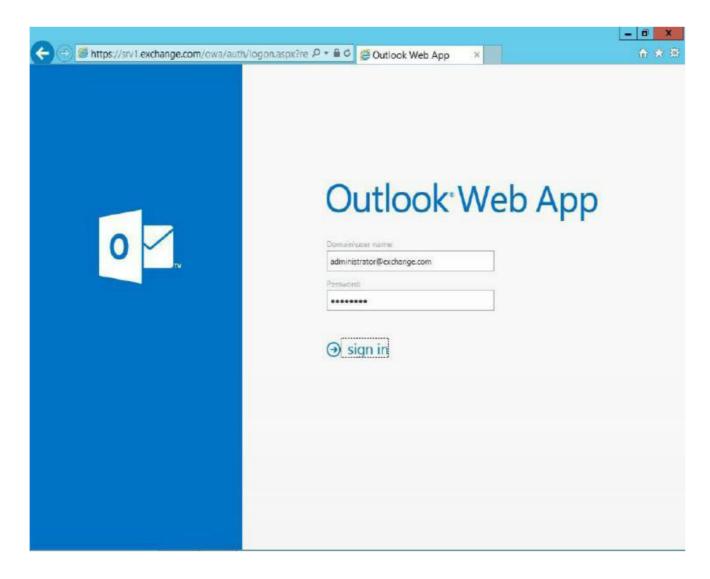


Enter the address https://FullyQualified Domain Name / Virtual Directory Name

(Ex: https://srv1.exchange.com/ecp)



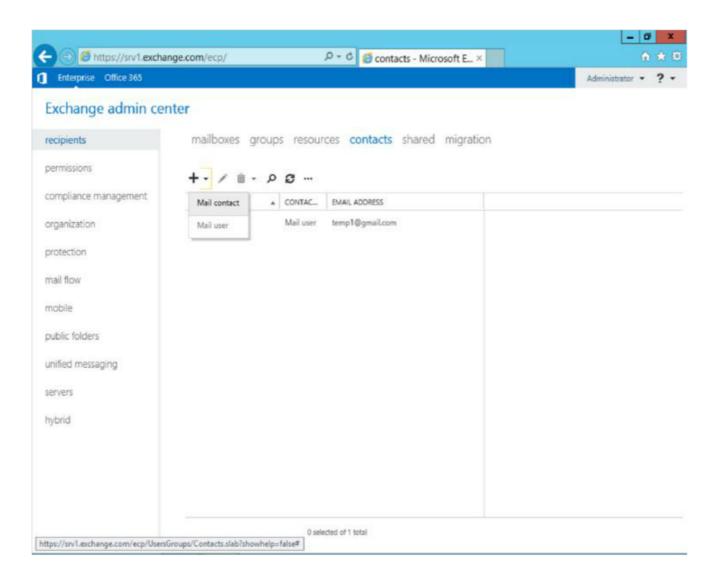
Enter User Name and Password→click sign in



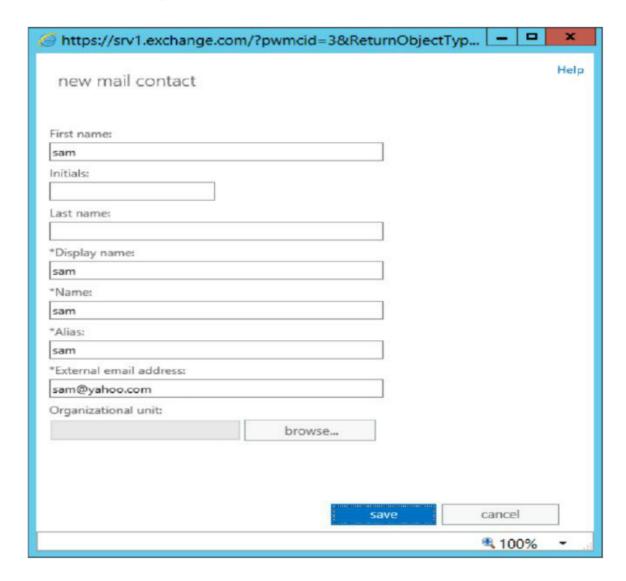




In Exchange Admin Center→select Recipients→select Contacts tab→Expand (+) →select Mail
 Contact



• Enter first name, alias name and external email address→click save







Lab – 5: Creating Distribution Group

Objective:

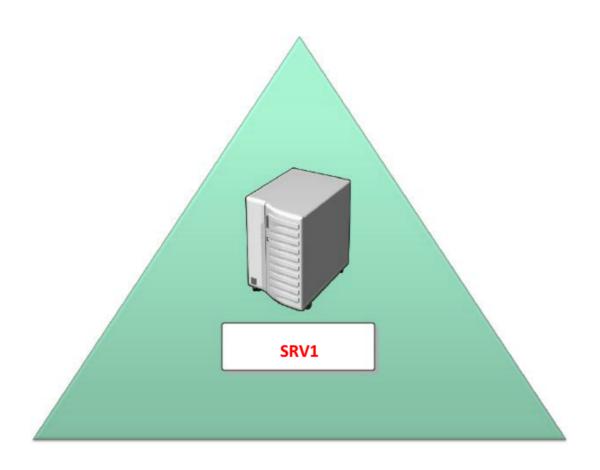
To configure Distribution Group in Exchange Server using Exchange Admin Center Console.

Pre-requisites:

Before working on this lab, you must have

1. A computer running Windows 2012 Server Domain Controller with Exchange Server application installed.

Topology:



EXCHANGE.COM

SRV1

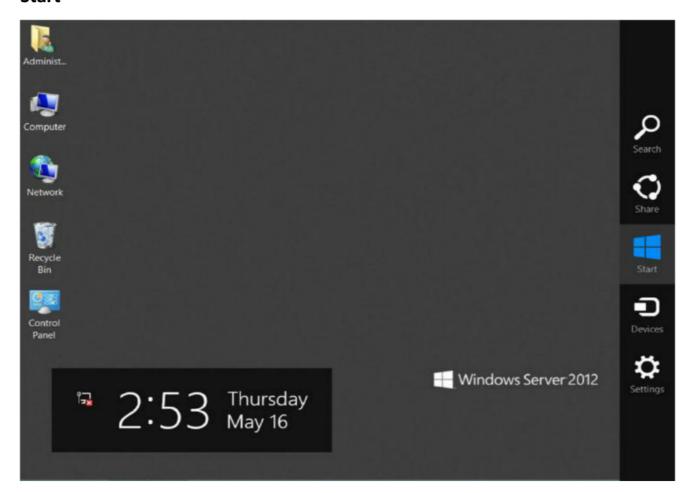
Domain Controller

IP Address 10.0.0.1 Subnet Mask 255.0.0.0 Preferred DNS 10.0.0.1

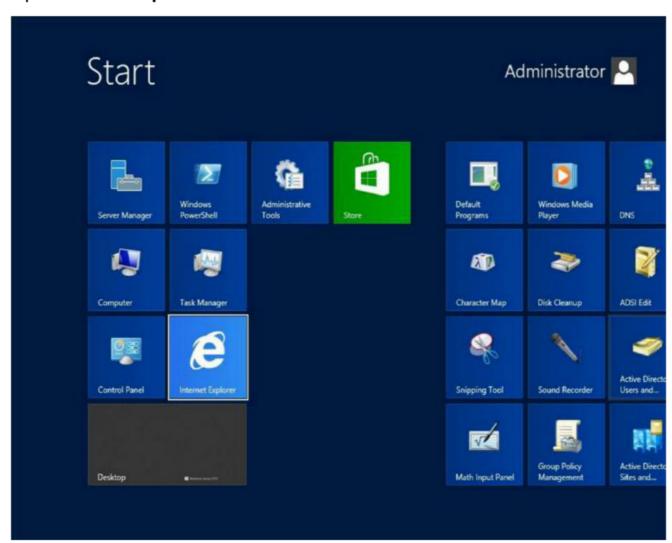




Start



• Open Internet Explorer



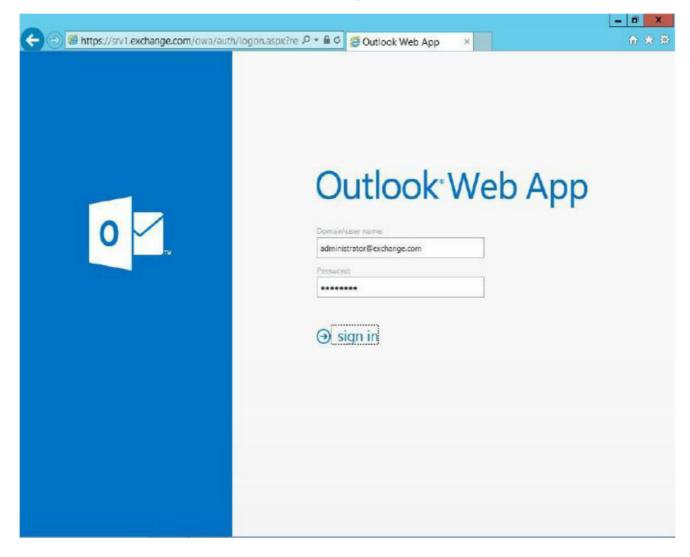




Enter the address https://FullyQualified Domain Name / Virtual Directory Name
 (Ex: https://srv1.exchange.com/ecp)



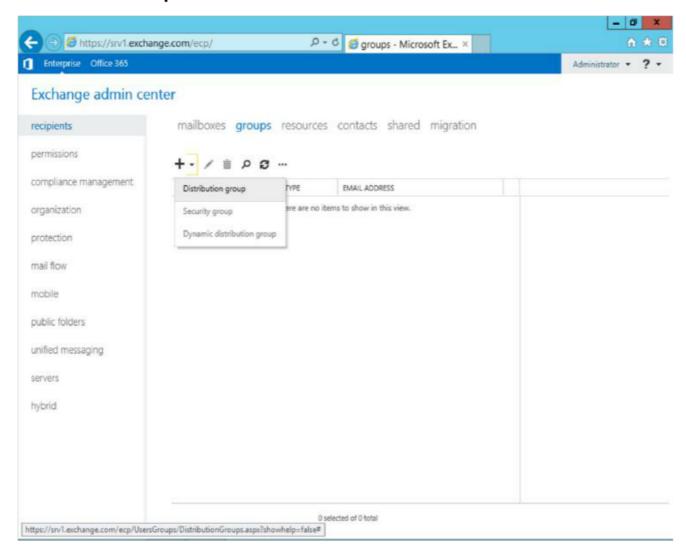
• Enter User Name and Password→click sign in



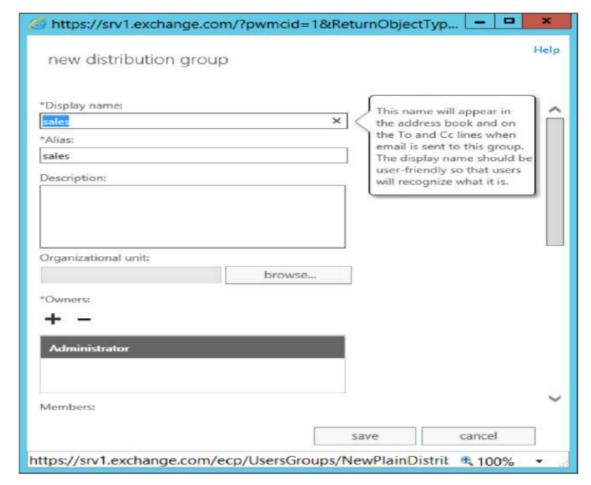




In Exchange Admin Center→select Recipients→select Groups tab→Expand (+) →select
 Distribution Group



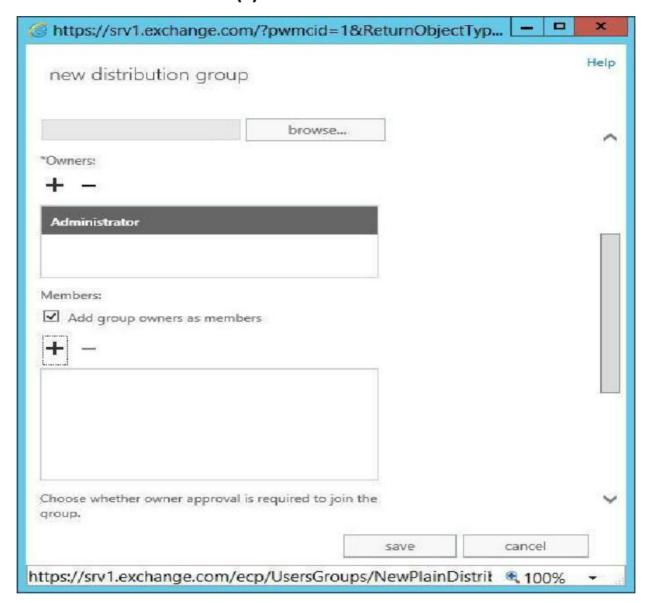
Enter Display name and Alias name→scroll down



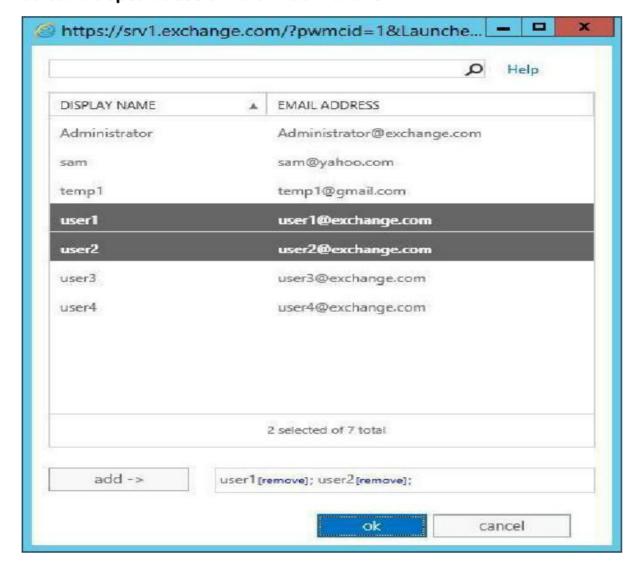




● Select Members—click on (+) Add

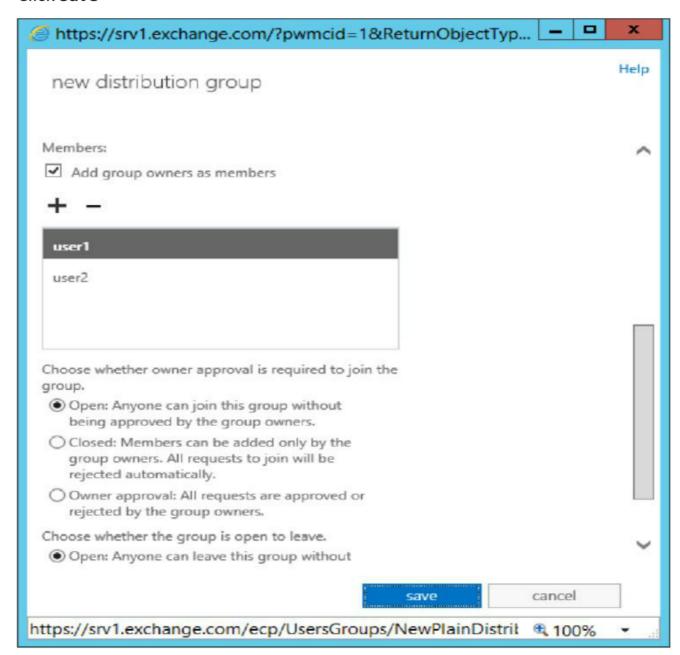


Select the specific users→click Add→click Ok





Click Save







Lab – 6: Accessing the Mailbox using Outlook Web App

Objective:

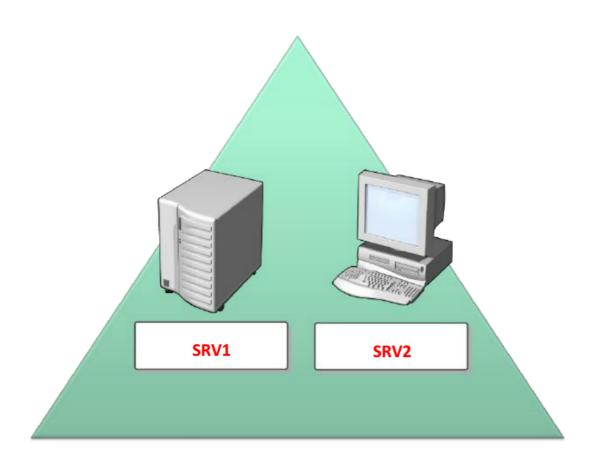
To access Email Account using Outlook Web App

Pre-requisites:

Before working on this lab, you must have

- A computer running Windows 2012 Server Domain Controller with Exchange Server application installed.
- A computer running Windows 2012 server or windows 7

Topology:



SRV1		SRV2	
Domain Controller		Member Server / Client	
IP Address	10.0.0.1	IP Address	10.0.0.2
Subnet Mask	255.0.0.0	Subnet Mask	255.0.0.0
Preferred DNS	10.0.0.1	Preferred DNS	10.0.0.1





Steps:

Start



• Open Internet Explorer





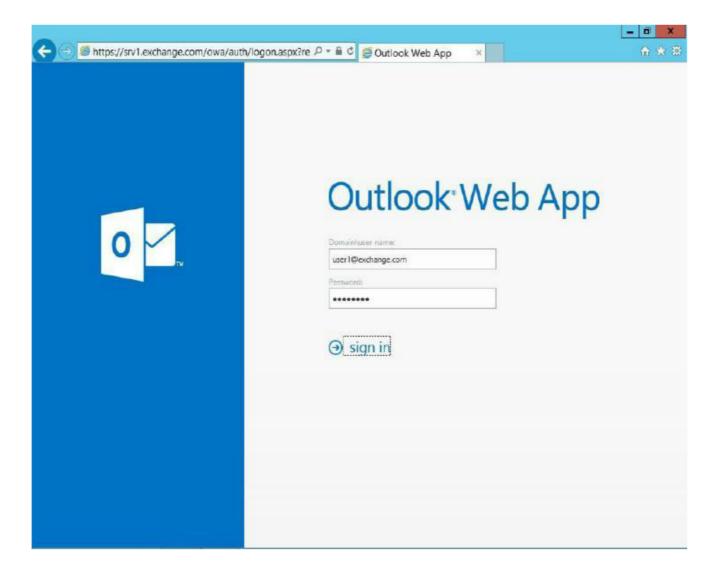


• Enter the address https://FullyQualified Domain Name / Virtual Directory Name

(Ex: https://srv1.exchange.com/owa)



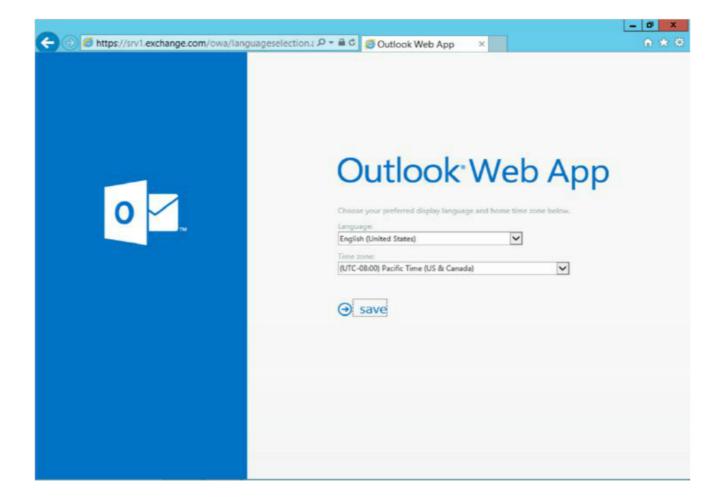
Enter User Name and Password of the User→Click Sign In



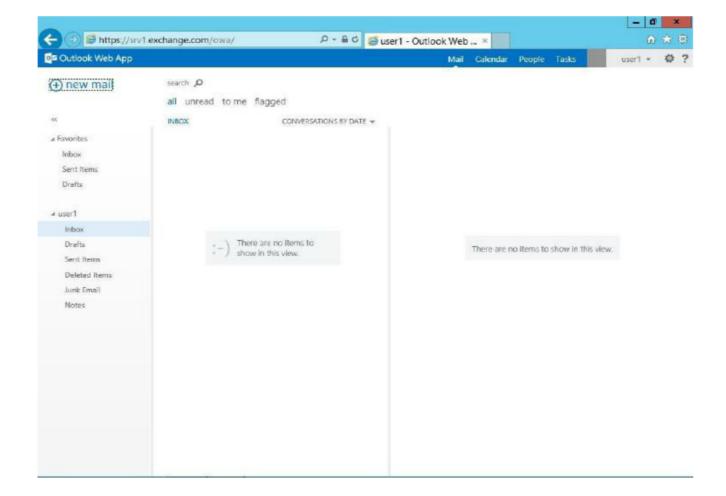




• Click Save



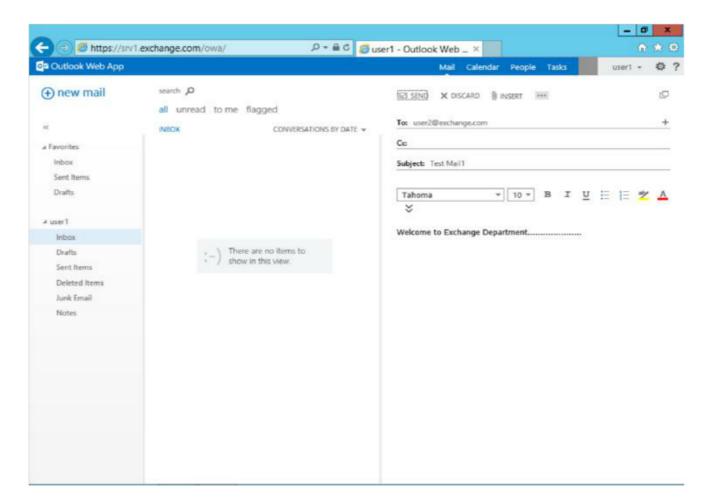
Select New Mail



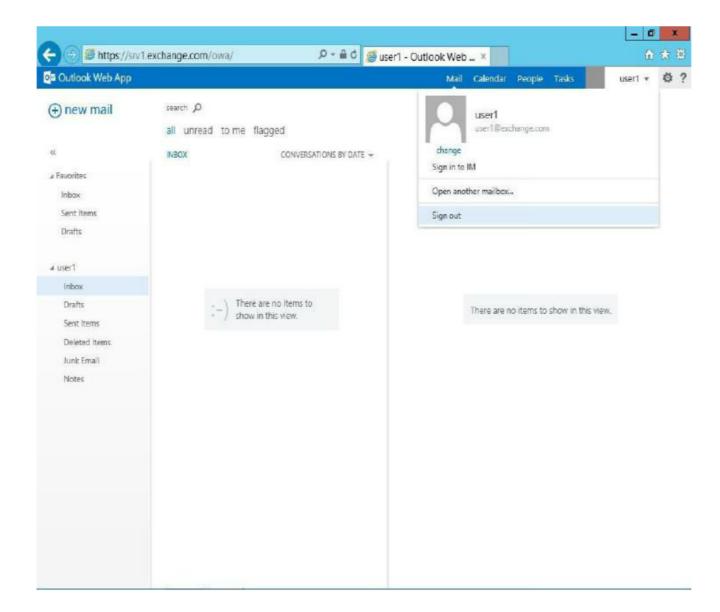




Enter User name→enter the Subject→enter the Message→Click Send



Click on Sign Out

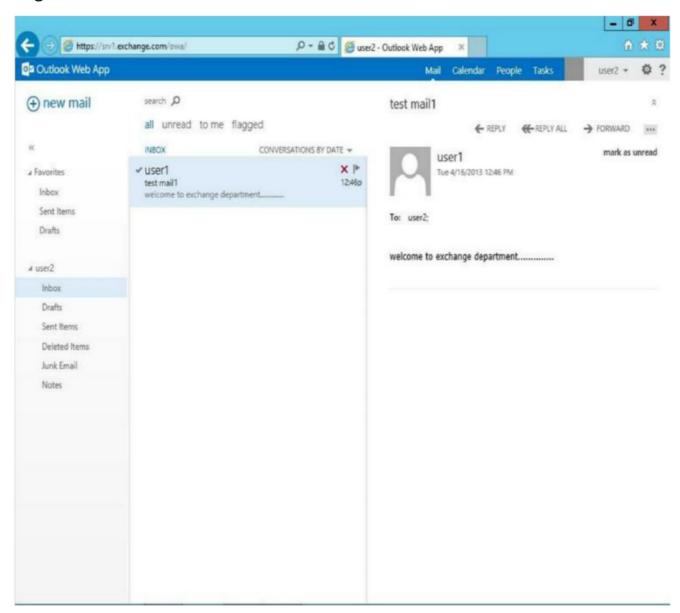






Verification:

• Log in as **User2** and check the **Mail** for confirmation







Lab – 7: Accessing the Mailbox using Microsoft Office Outlook 2013

Objective:

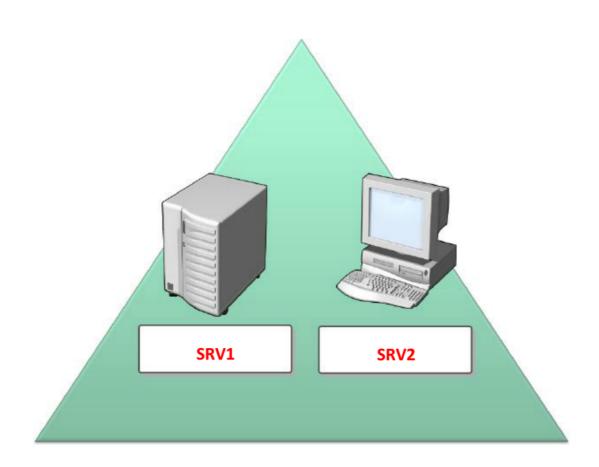
To access Email account using MS Office Outlook client

Pre-requisites:

Before working on this lab, you must have

- A computer running Windows 2012 Server Domain Controller with Exchange Server application installed.
- A computer running Windows 7 with MS Office 2013 installed.

Topology:



EXCHANGE.COM

SRV1		SRV2	
Domain Controller		Client	
IP Address	10.0.0.1	IP Address	10.0.0.2
Subnet Mask	255.0.0.0	Subnet Mask	255.0.0.0
Preferred DNS	10.0.0.1	Preferred DNS	10.0.0.1

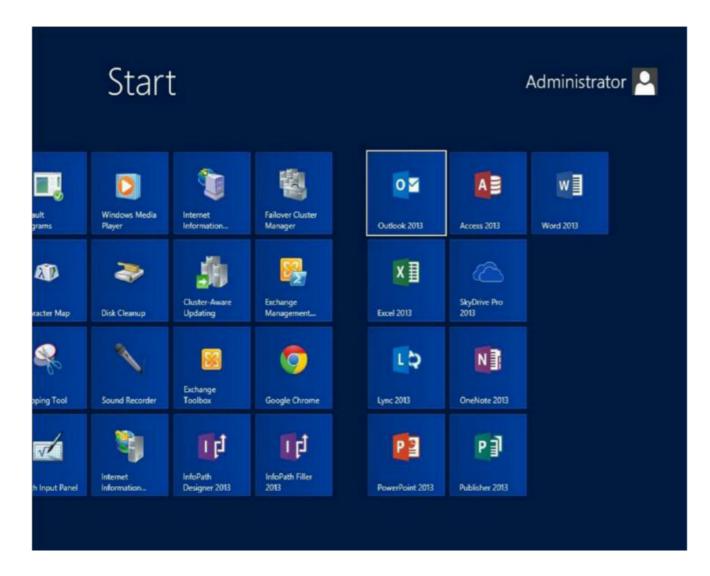




Start

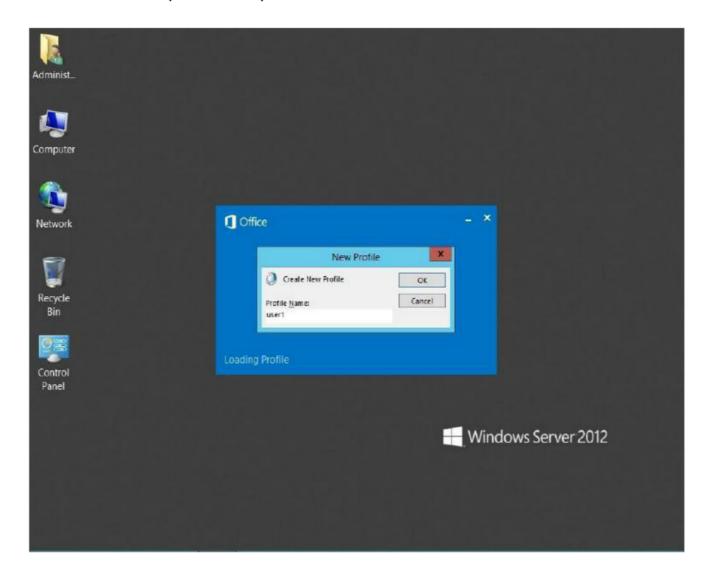


Open Outlook 2013

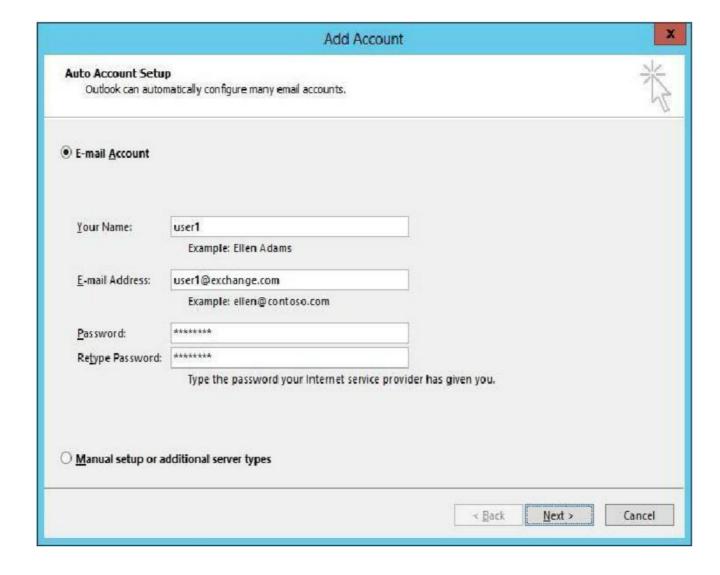




• Enter User name (Ex: - **User1**)→Click **Ok**.



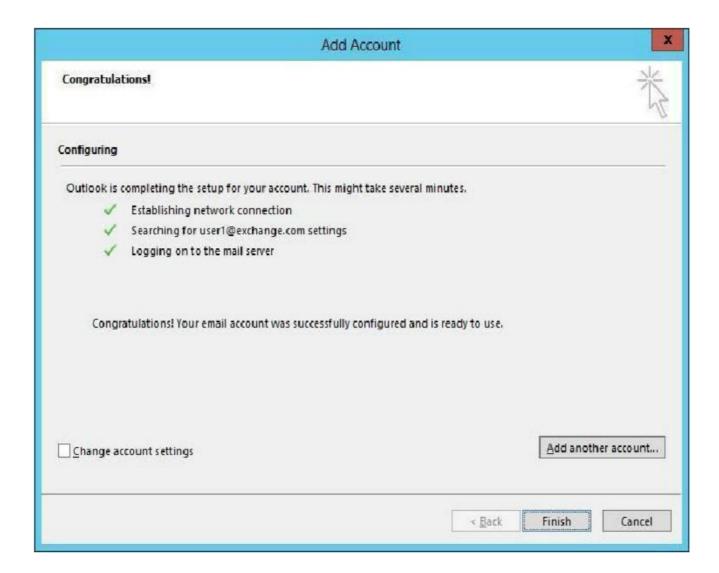
• Enter User Name, E-mail Address and Password→Click Next







Click Finish



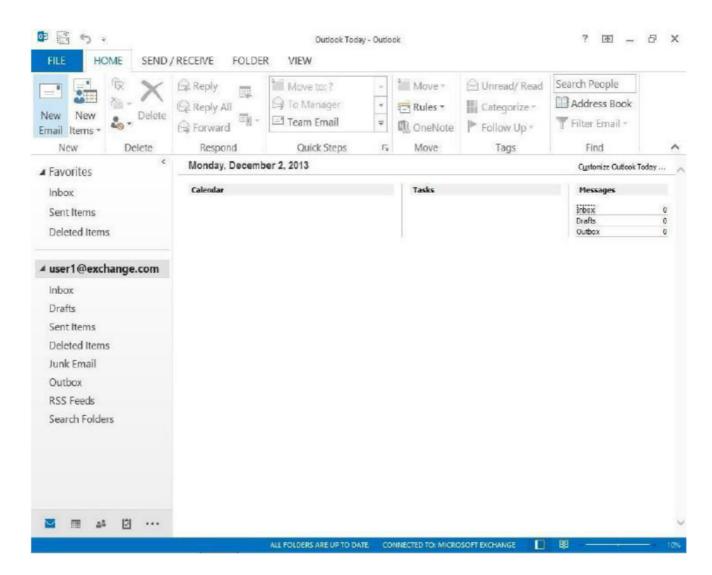
• Enter **User E-mail Address** and **Password**→Click **Ok**



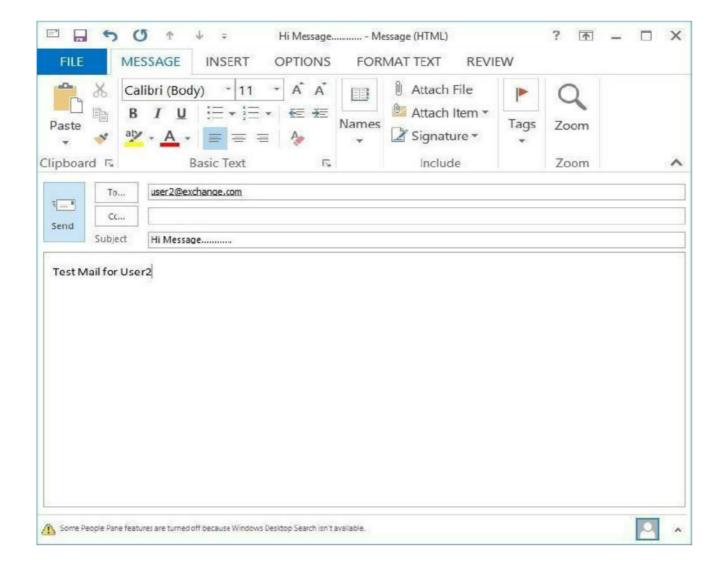




Access the Mailbox of User1→Click New Mail



• Type the user email address (Ex: User2)→Click Send

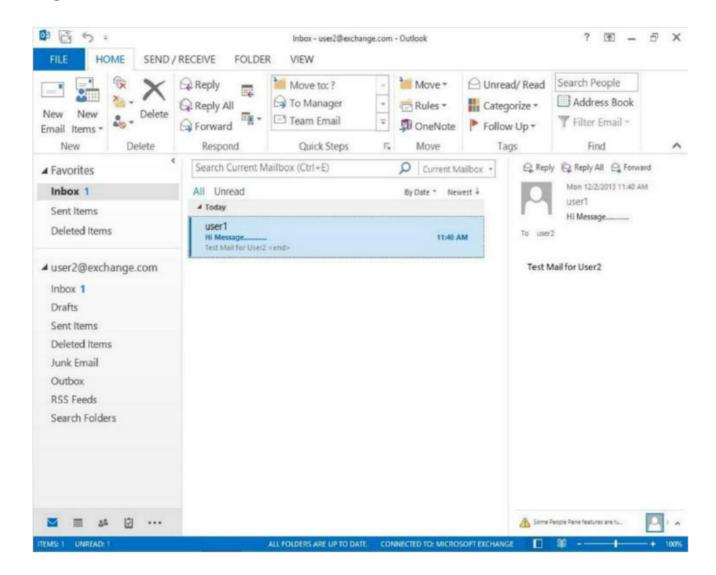






Verification:

1. Log in as User2 and check the Mail for confirmation in MS Office Outlook 2013







Lab – 8: Adding Multiple E-Mail Addresses to Mailbox

Objective:

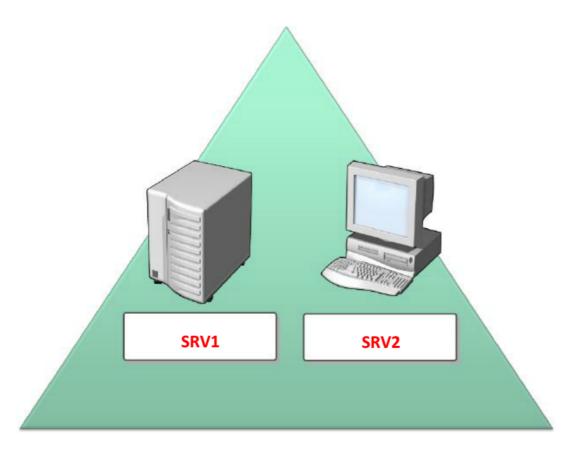
To add multiple emails addresses for a Mailbox Enabled User

Pre-requisites:

Before working on this lab, you must have

- A computer running Windows 2012 Server Domain Controller with Exchange Server application installed.
- A computer running Windows 7.

Topology:



EXCHANGE.COM

SRV1		SRV2	
Domain Controller		Client	
IP Address	10.0.0.1	IP Address	10.0.0.2
Subnet Mask	255.0.0.0	Subnet Mask	255.0.0.0
Preferred DNS	10.0.0.1	Preferred DNS	10.0.0.1



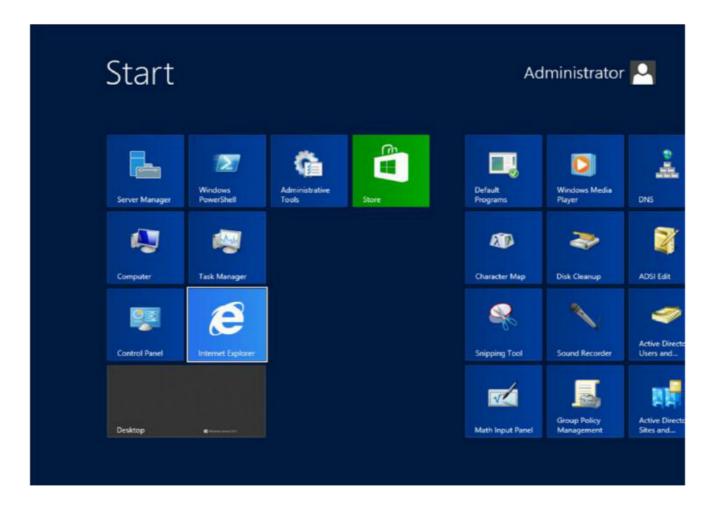


Steps:

Start



• Open Internet Explorer





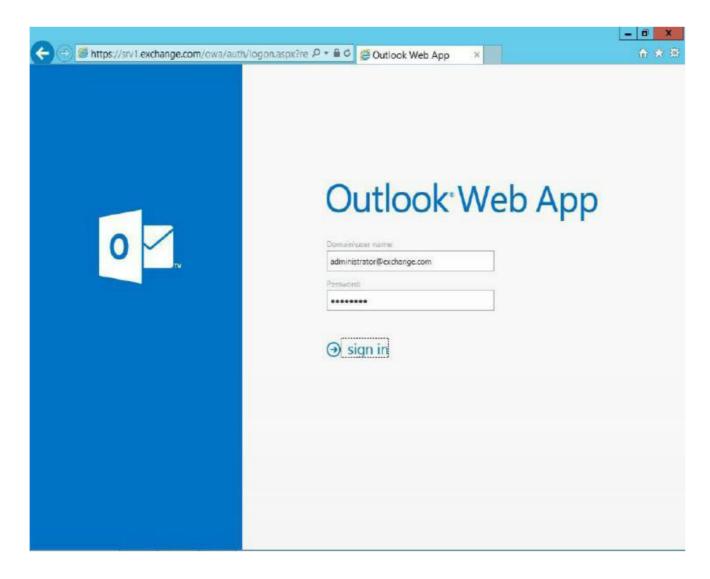


• Enter the address https://FullyQualified Domain Name / Virtual Directory Name

(Ex: https://srv1.exchange.com/ecp)



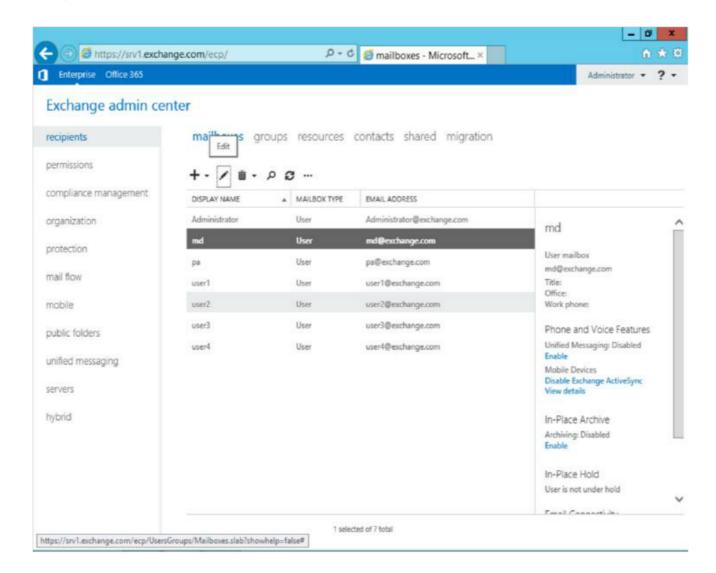
■ Enter User Name and Password→click sign in



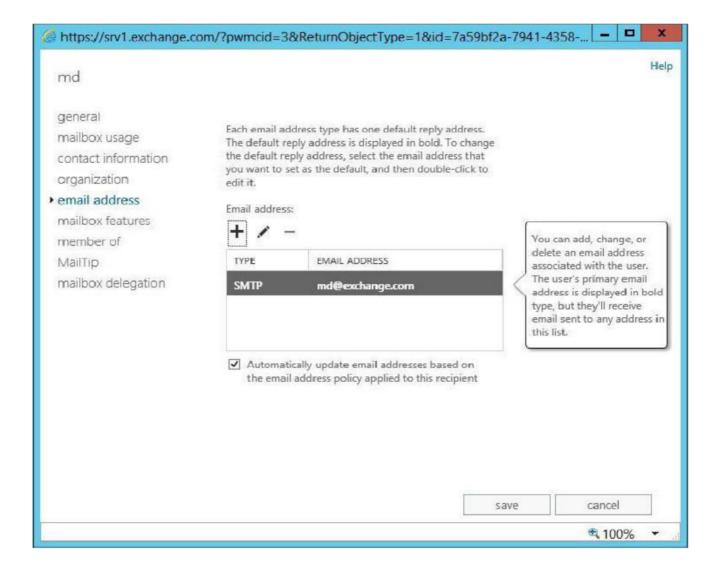




In Exchange Admin Center→select Recipients→select Mailboxes tab→select User (Ex:
 MD)→select Edit tab



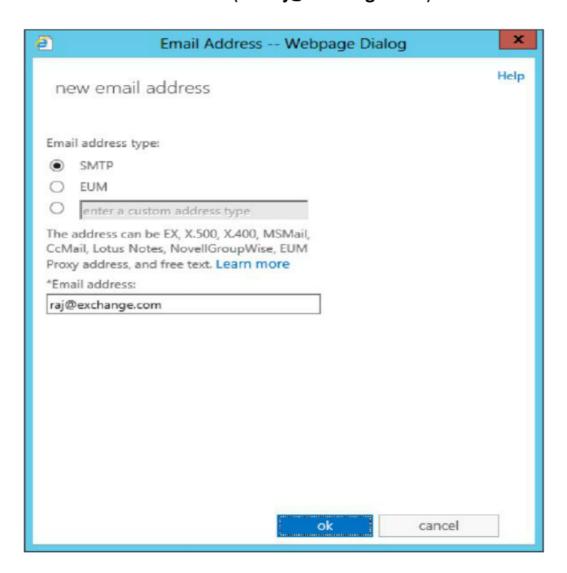
Select email address tab→click Add (+)



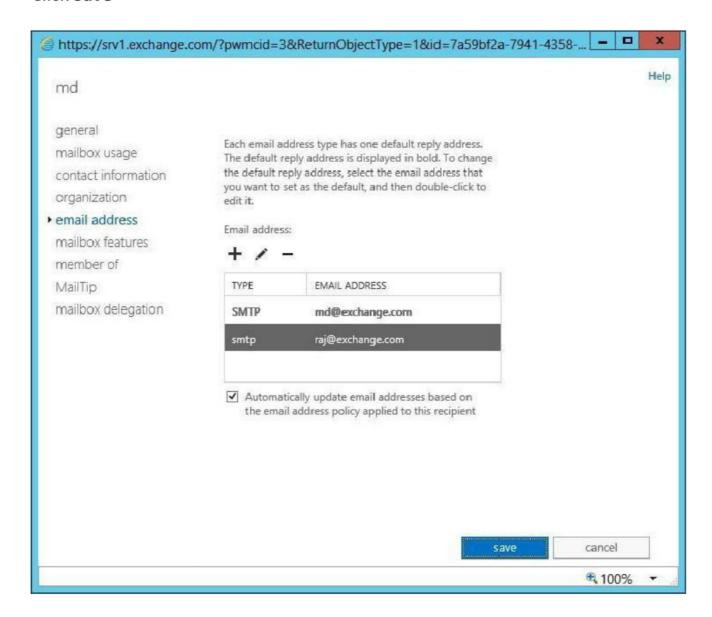




Enter the E-mail Address (Ex: raj@exchange.com)→click OK



Click Save

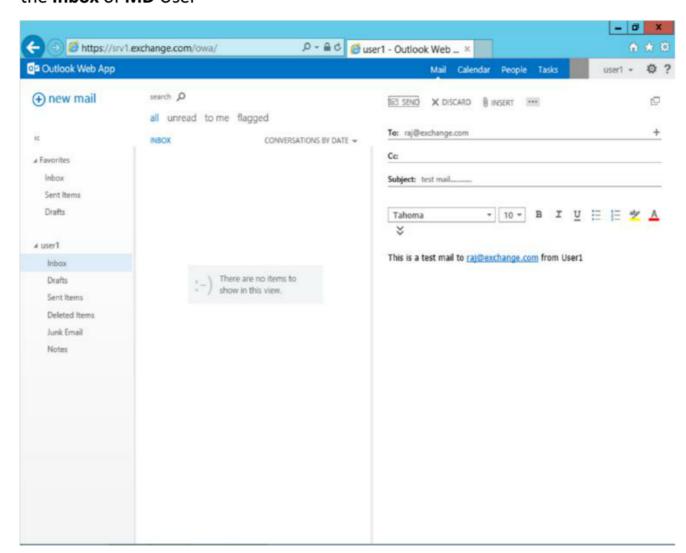






Verification:

 Log in to User Mailbox (Ex: User1) and send email to raj@exchange.com and verify the mail in the Inbox of MD User







Lab – 9: Applying Message Delivery Restriction on the User

Objective:

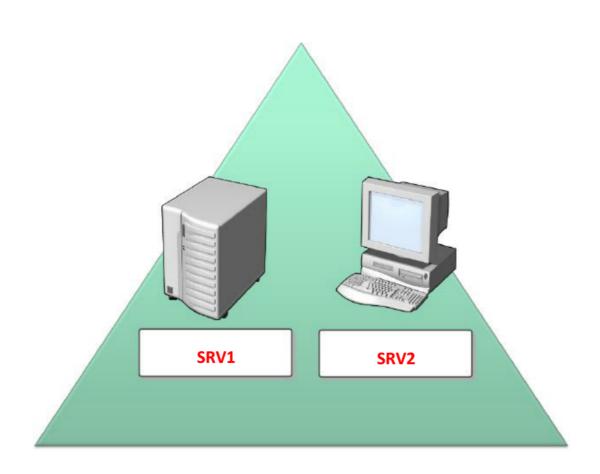
To block a user from sending emails to a specific Mailbox Enabled User

Pre-requisites:

Before working on this lab, you must have

- A computer running Windows 2012 Server Domain Controller with Exchange Server application installed.
- A computer running Windows 7.

Topology:



EXCHANGE.COM

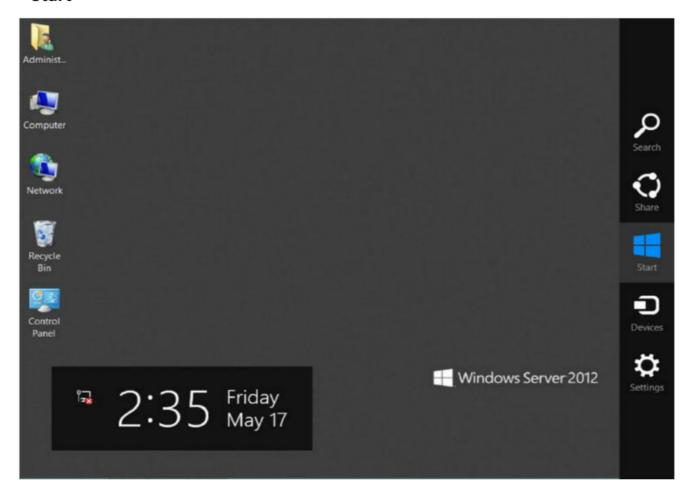
SRV1		SRV2	
Domain Controller		Client	
IP Address	10.0.0.1	IP Address	10.0.0.2
Subnet Mask	255.0.0.0	Subnet Mask	255.0.0.0
Preferred DNS	10.0.0.1	Preferred DNS	10.0.0.1



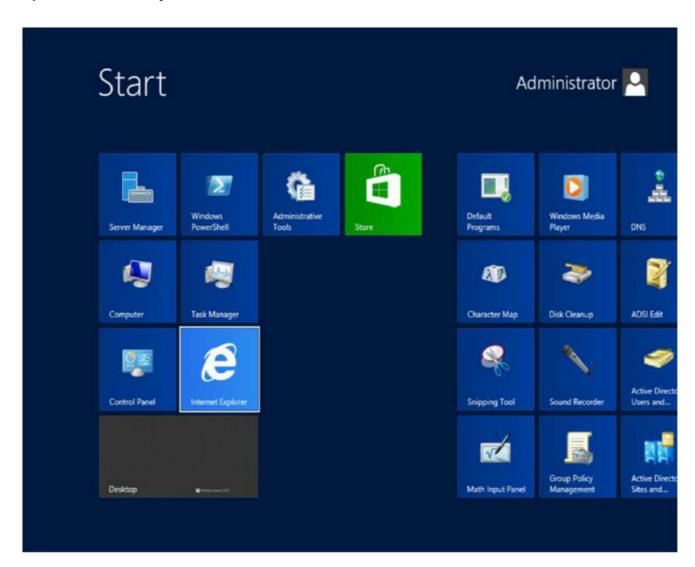


Steps:

Start



• Open Internet Explorer





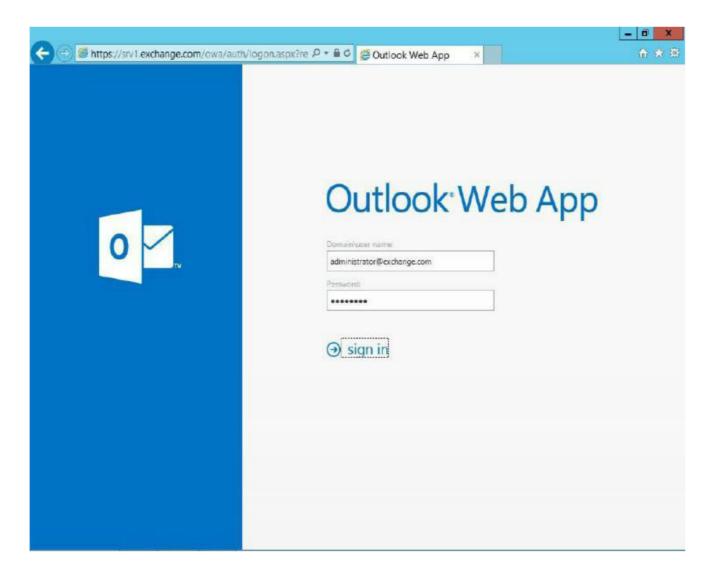


• Enter the address https://FullyQualified Domain Name / Virtual Directory Name

(Ex: https://srv1.exchange.com/ecp)



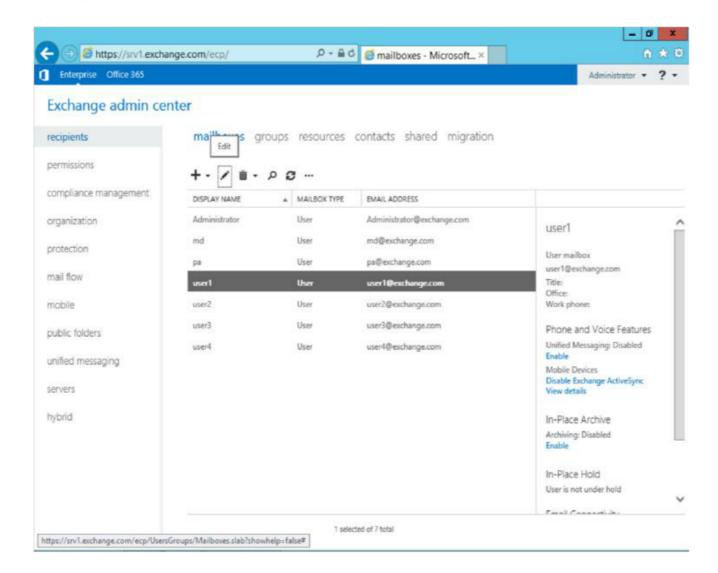
Enter User Name and Password→click sign in



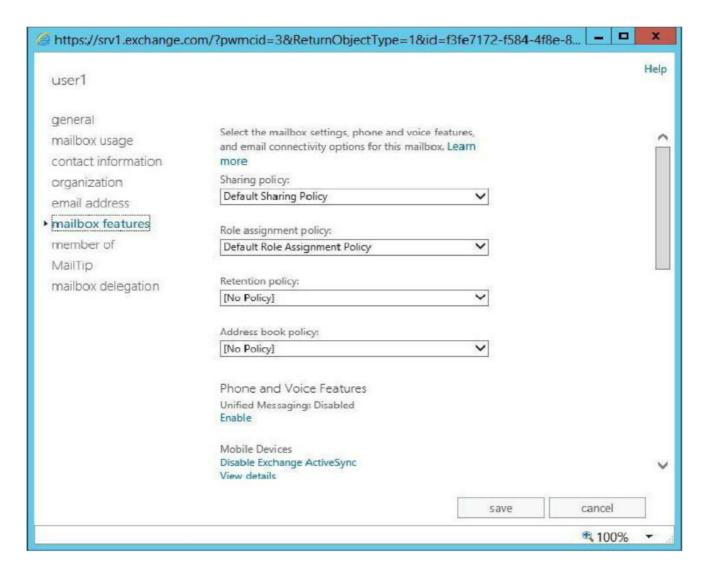




In Exchange Admin Center→select Recipients→select Mailboxes tab→select User (Ex: user1)→select Edit tab



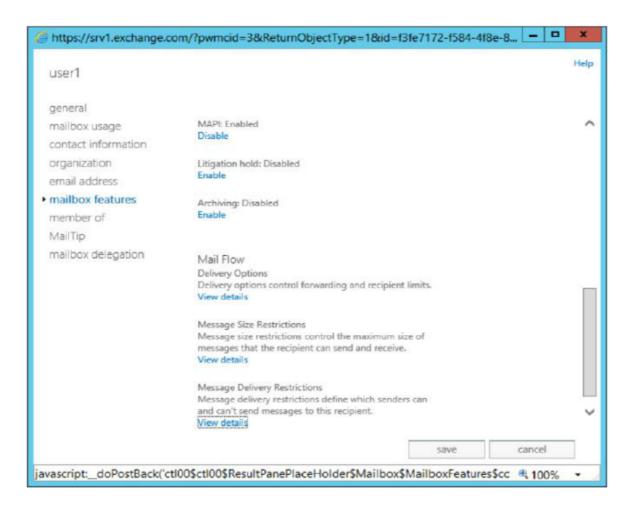
Select Mailbox Features→scroll down



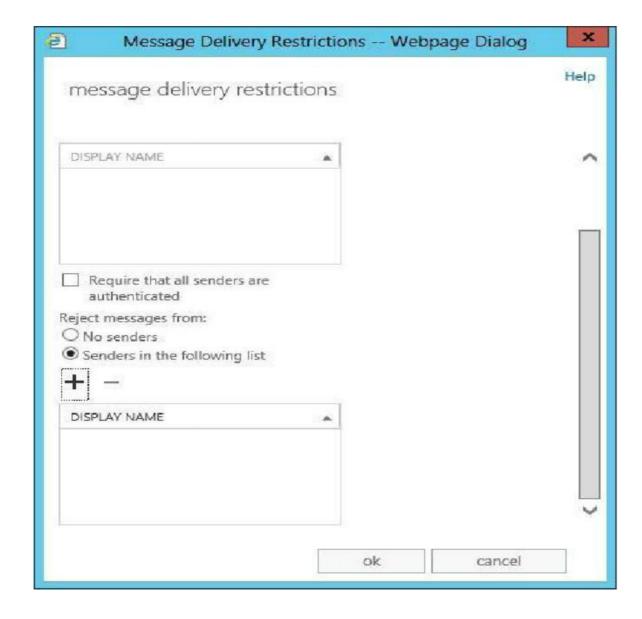




In Message Delivery Restriction select View Details



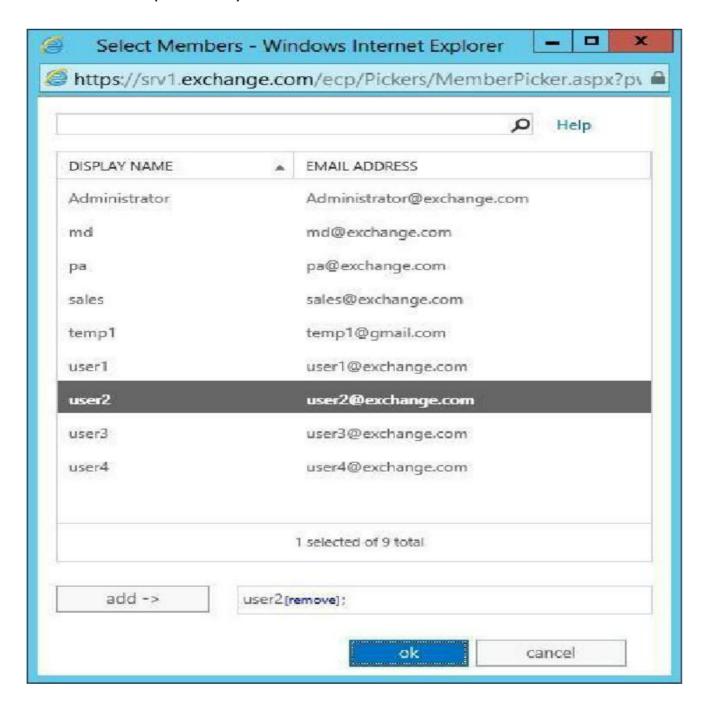
• In Reject messages from, select Senders in the following list→click Add (+)







• Select the user (Ex: User2)→click Add→Click Ok→



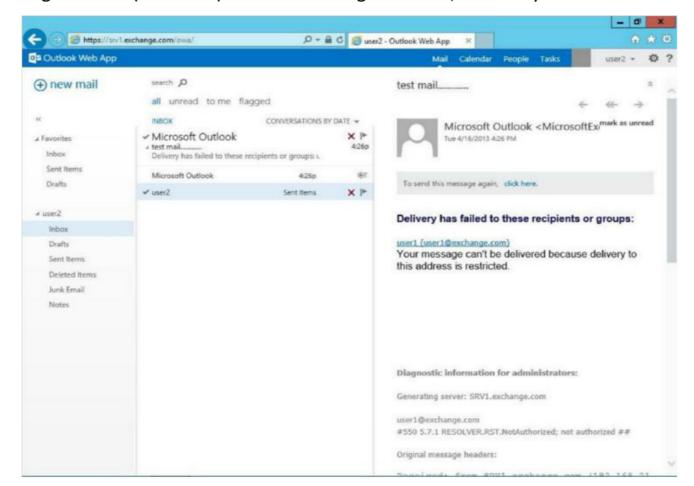
Click Ok→Click Save





Verification:

Login as user (Ex:User-2) and send message to User1, and verify for Undeliverable Message







Lab – 10: Applying Message Size Restriction on the User

Objective:

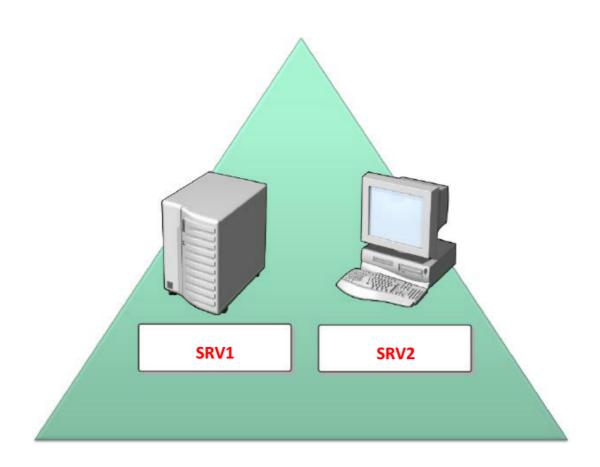
To define message size limits for sending and receiving email.

Pre-requisites:

Before working on this lab, you must have

- A computer running Windows 2012 Server Domain Controller with Exchange Server application installed.
- A computer running Windows 7.

Topology:



EXCHANGE.COM

SRV1		SRV2	
Domain Controller		Client	
IP Address	10.0.0.1	IP Address	10.0.0.2
Subnet Mask	255.0.0.0	Subnet Mask	255.0.0.0
Preferred DNS	10.0.0.1	Preferred DNS	10.0.0.1

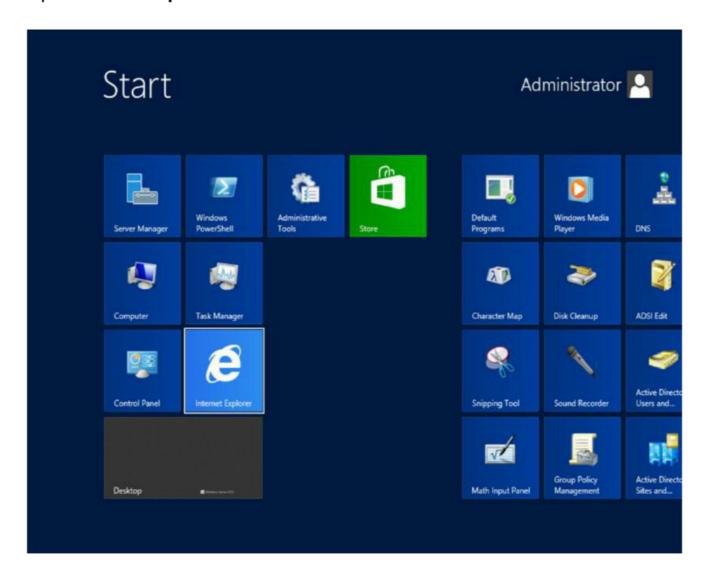




Start



• Open Internet Explorer

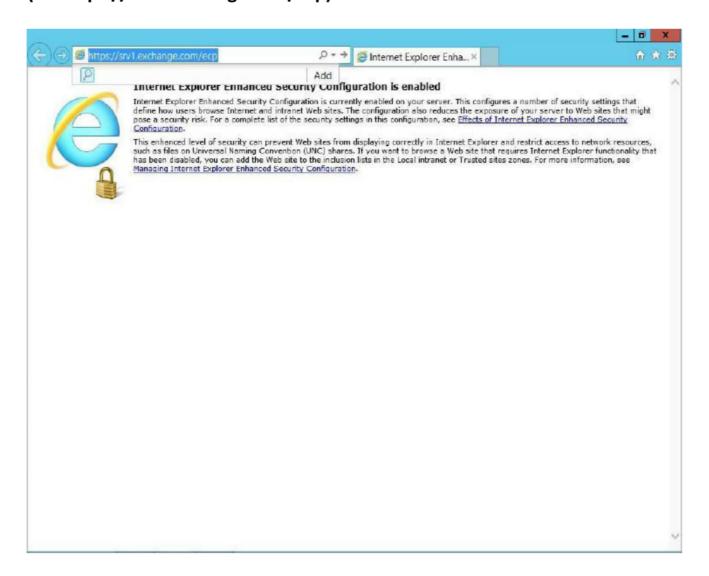




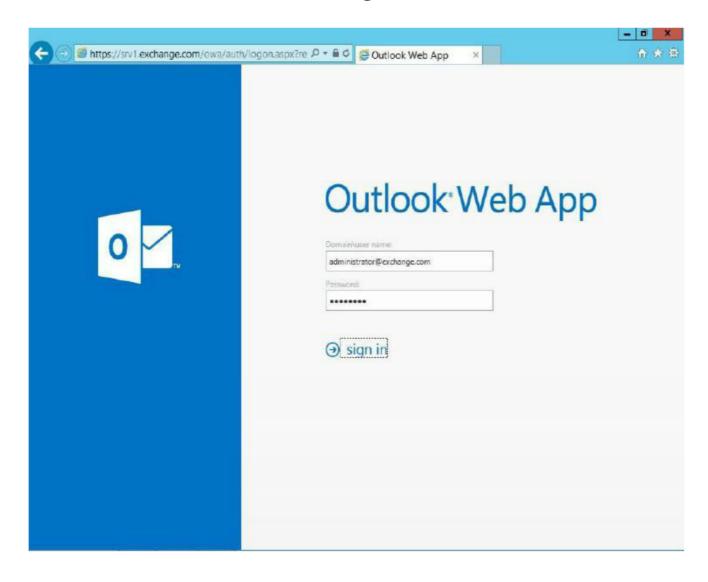


• Enter the address https://FullyQualified Domain Name / Virtual Directory Name

(Ex: https://srv1.exchange.com/ecp)



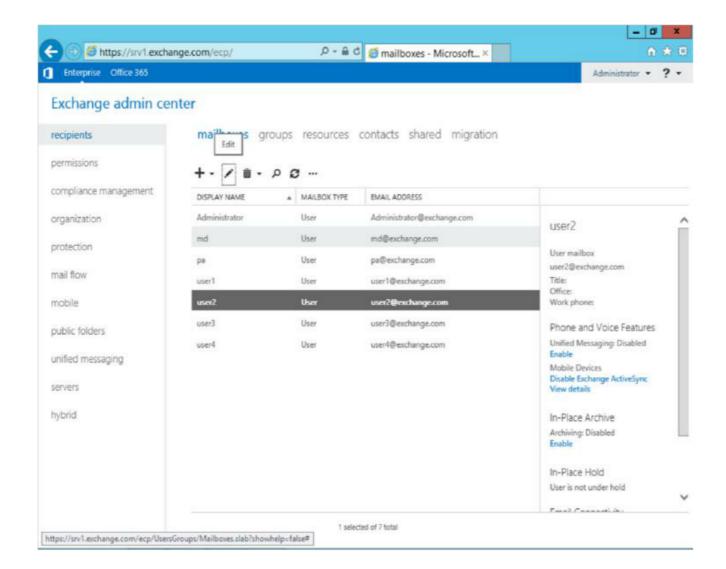
■ Enter User Name and Password→click sign in



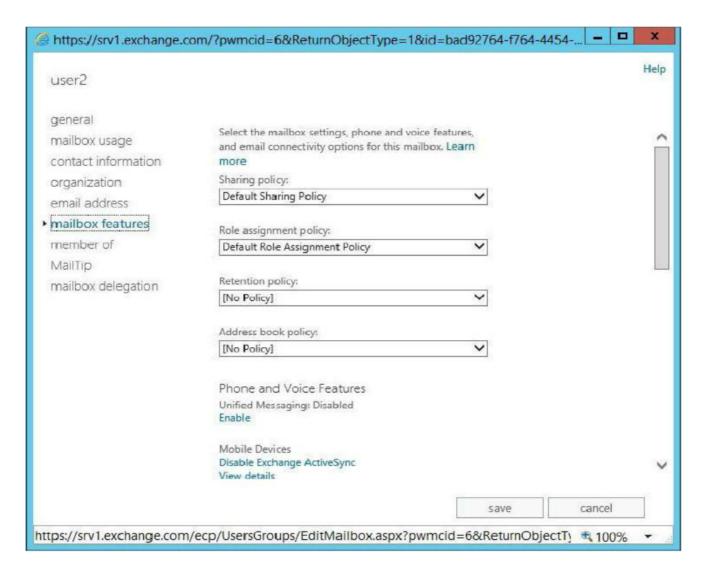




In Exchange Admin Center→select Recipients→select Mailboxes tab→select User (Ex: user2)→select Edit tab



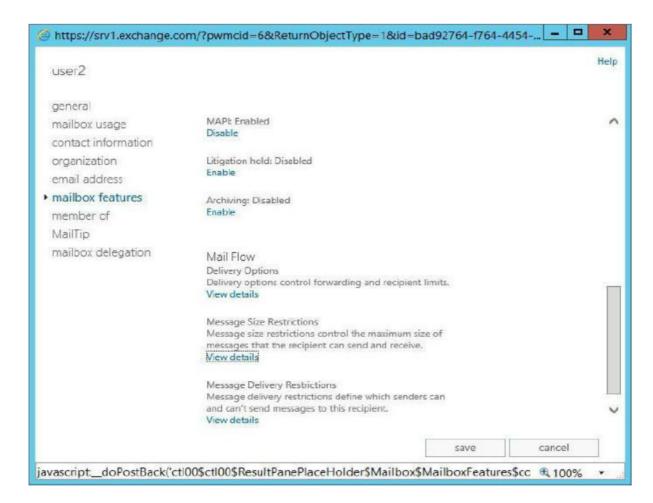
Select Mailbox Features→scroll down



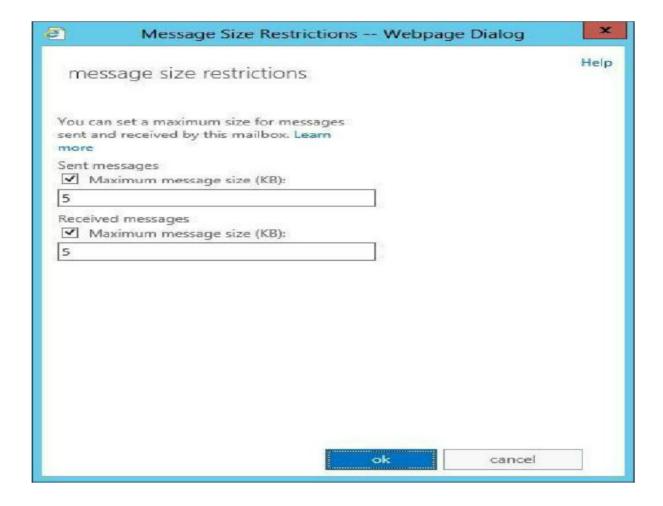




■ In Message Size Restrictions—click View Details



Assign Sending and Receiving message size limits in KB's→click Ok



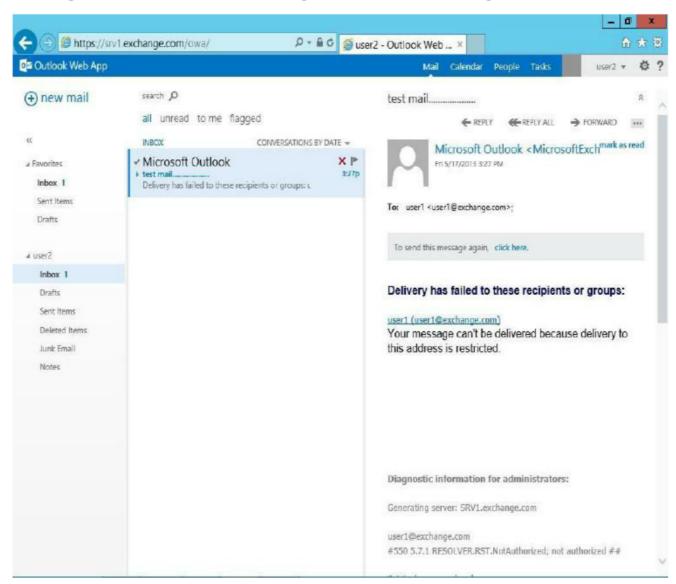
Click Save





Verification:

Log in as User2 and try to send more than the limit (Ex: 5 KB) and verify Undeliverable
 Message for the reason- the message exceeds Max message size limit.







Lab - 11: Granting Send on Behalf Permission

Objective:

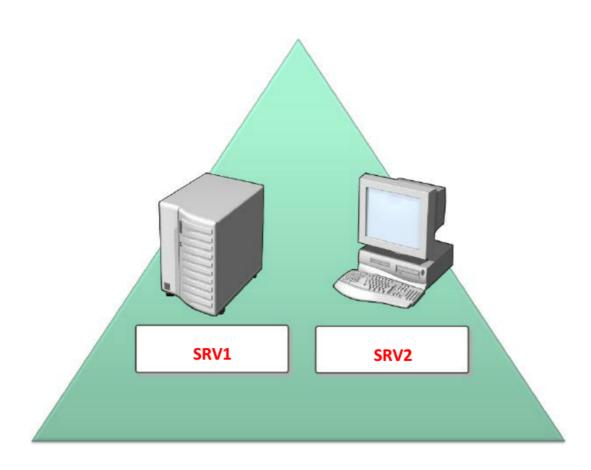
To provide Send on Behalf permission for a Mailbox Enabled User

Pre-requisites:

Before working on this lab, you must have

- A computer running Windows 2012 Server Domain Controller with Exchange Server application installed.
- A computer running Windows 7.

Topology:



EXCHANGE.COM

SRV1		SRV2	
Domain Controller		Client	
IP Address	10.0.0.1	IP Address	10.0.0.2
Subnet Mask	255.0.0.0	Subnet Mask	255.0.0.0
Preferred DNS	10.0.0.1	Preferred DNS	10.0.0.1



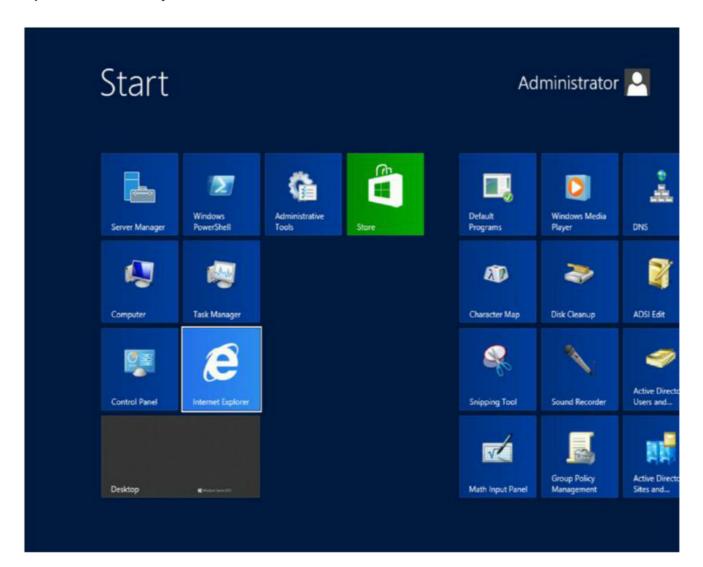


Steps:

Start



• Open Internet Explorer





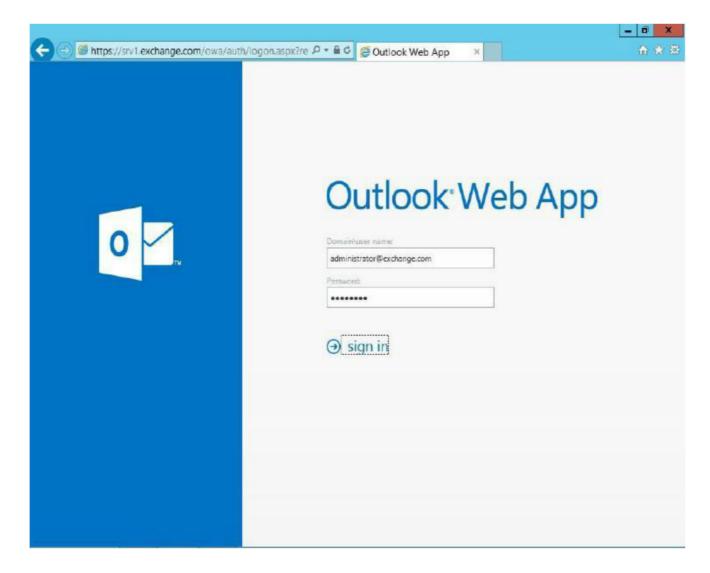


• Enter the address https://FullyQualified Domain Name / Virtual Directory Name

(Ex: https://srv1.exchange.com/ecp)



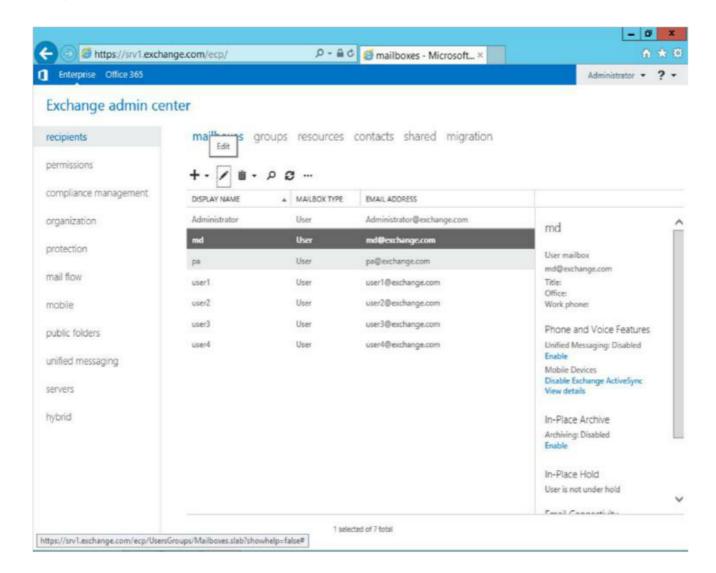
Enter User Name and Password→click sign in



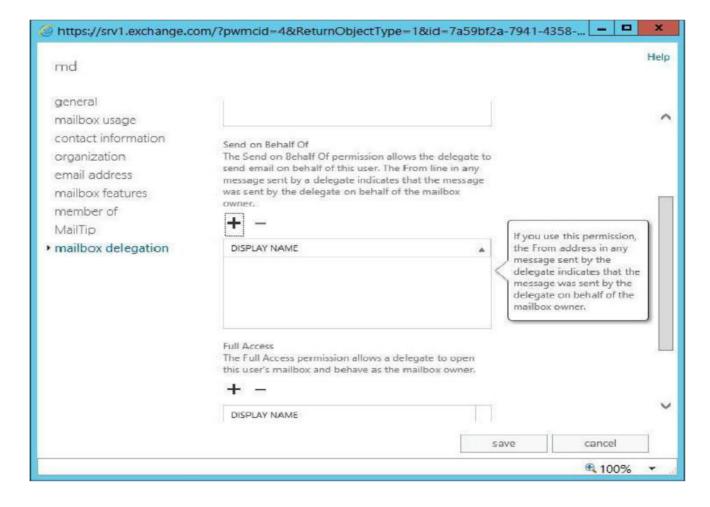




In Exchange Admin Center→select Recipients→select Mailboxes tab→select User (Ex:
 MD)→select Edit tab



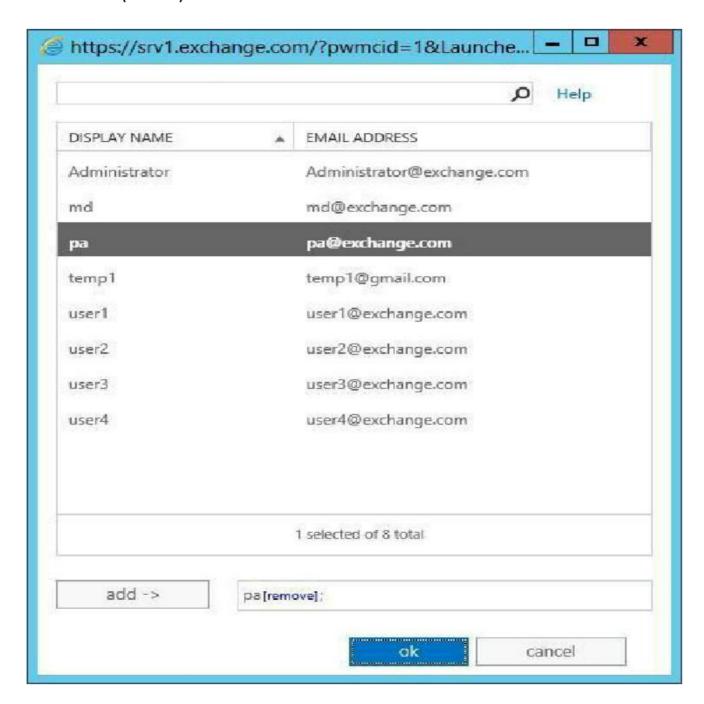
Select Mailbox Delegation→in Send on Behalf→click Add (+)







• Select user (Ex: PA)→click Add→click OK



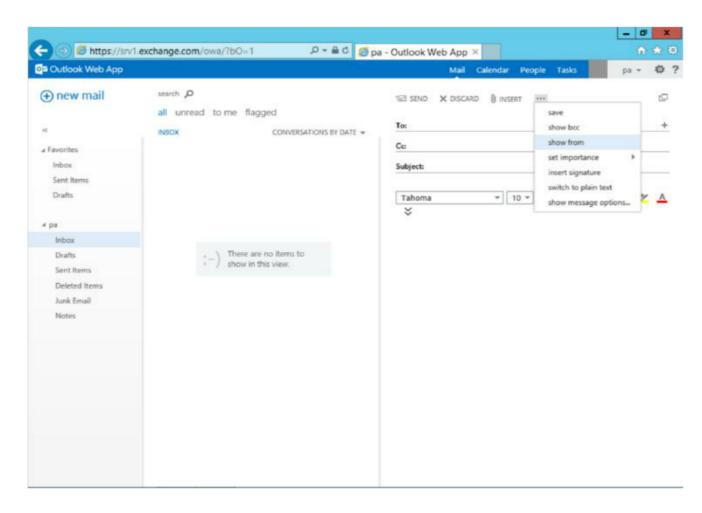
• Click Save



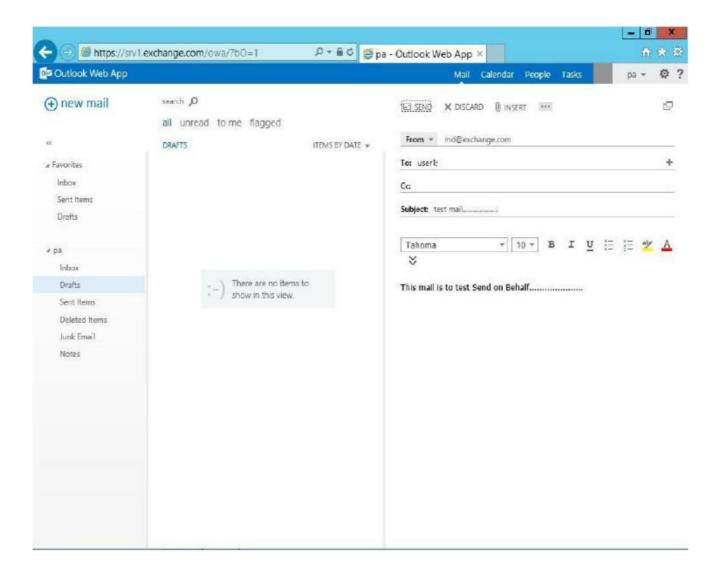


Verification:

Log in as PA →select New mail → select Show From



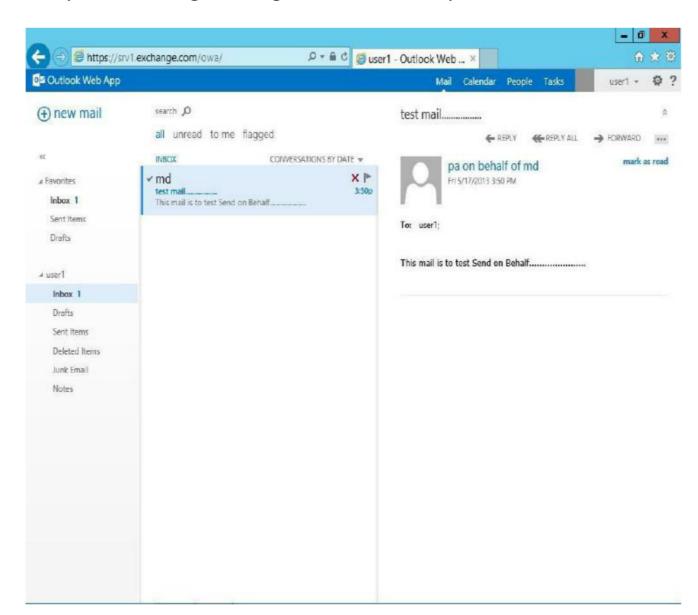
Enter email id of MD (Ex: md@exchange.com) in From field→enter the user names in To field→click Send







• Verify for the message showing from **MD** but sent by **PA**.







Lab – 12: Applying Recipient Limits on a User

Objective:

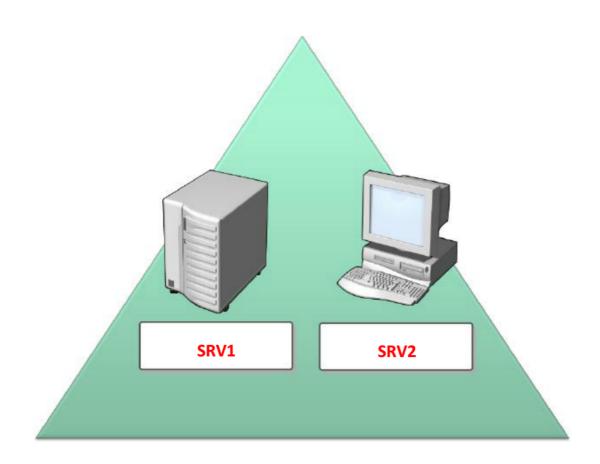
To restrict the number of recipients of a single email, for a Mailbox Enabled User

Pre-requisites:

Before working on this lab, you must have

- A computer running Windows 2012 Server Domain Controller with Exchange Server application installed.
- A computer running Windows 7.

Topology:



EXCHANGE.COM

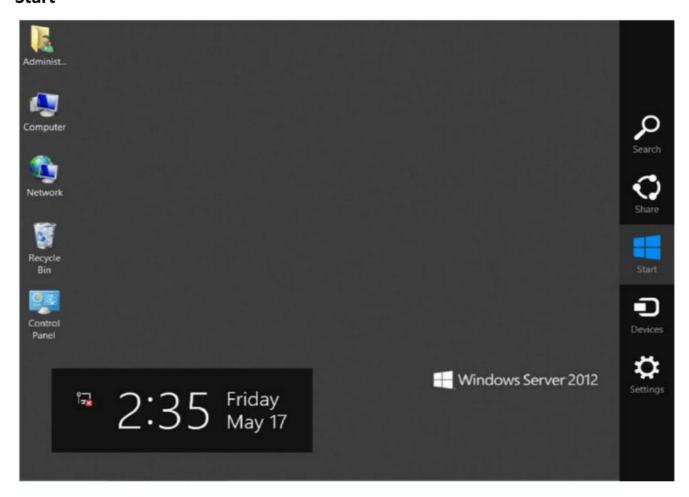
SRV1		SRV2	
Domain Controller		Client	
IP Address	10.0.0.1	IP Address	10.0.0.2
Subnet Mask	255.0.0.0	Subnet Mask	255.0.0.0
Preferred DNS	10.0.0.1	Preferred DNS	10.0.0.1



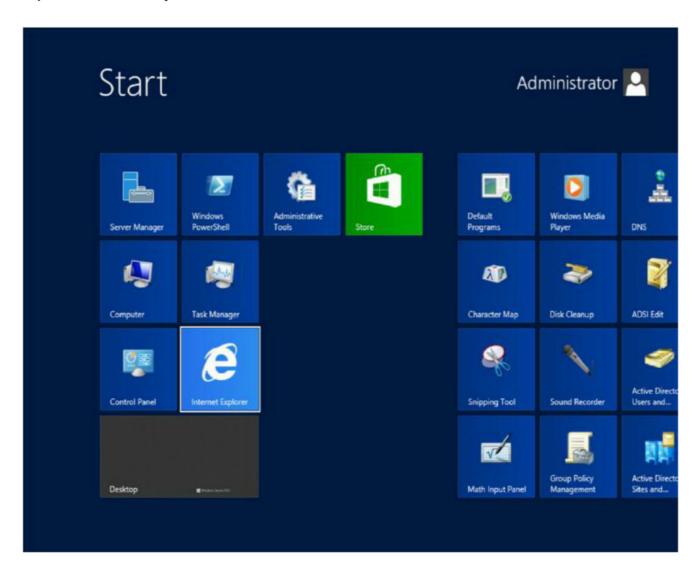


Steps:

Start



• Open Internet Explorer





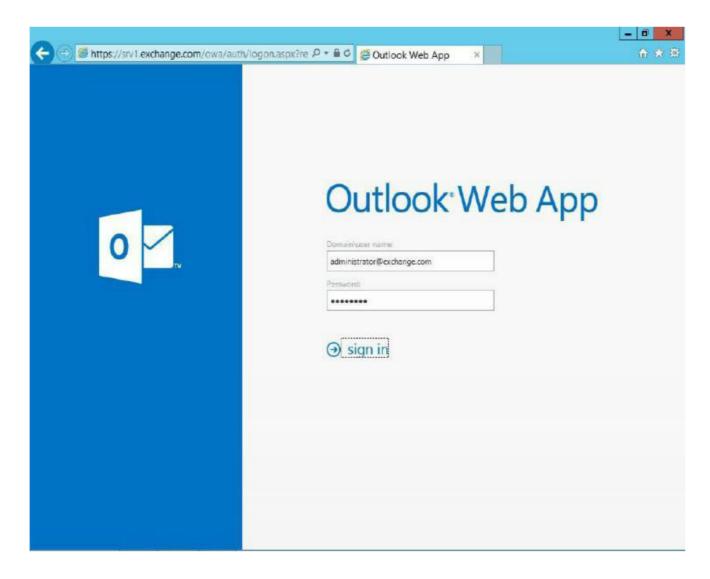


Enter the address https://FullyQualified Domain Name / Virtual Directory Name

(Ex: https://srv1.exchange.com/ecp)



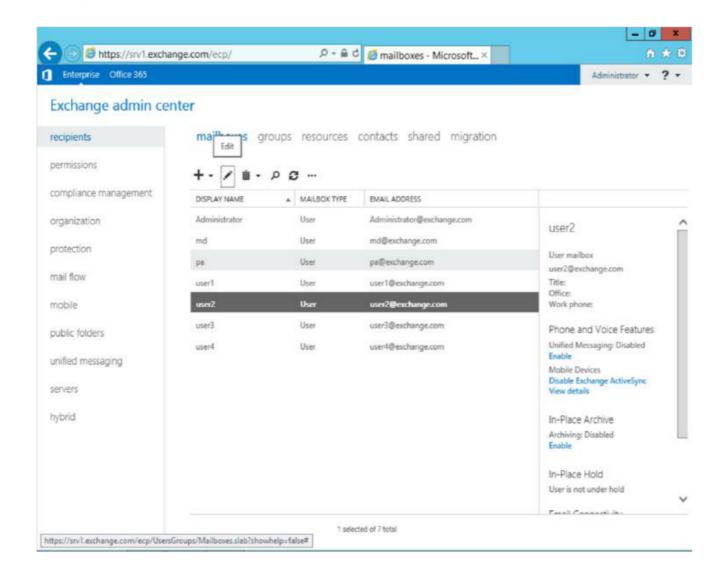
Enter User Name and Password→click sign in



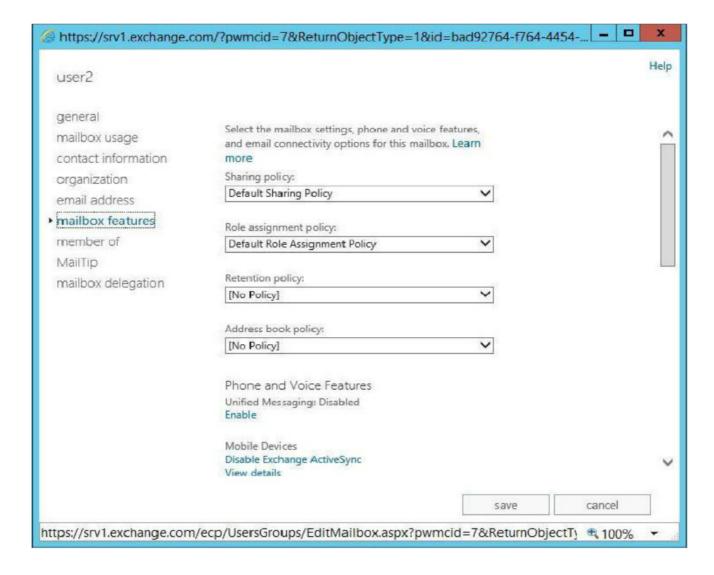




In Exchange Admin Center→select Recipients→select Mailboxes tab→select User (Ex: user2)→select Edit tab



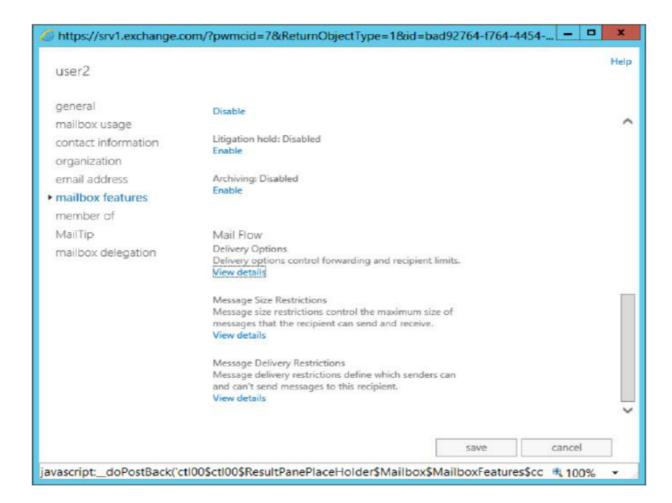
Select Mailbox features→Scroll down



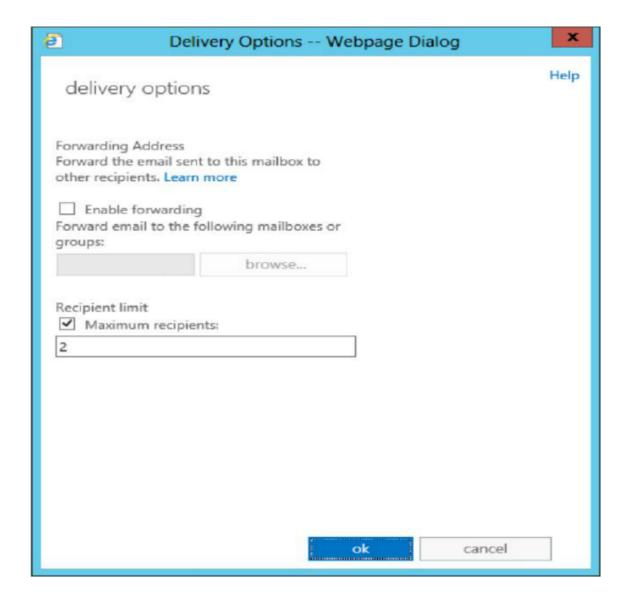




■ In Mail Flow→click View details



• In Recipient limit→select Maximum recipients→enter the value (Ex: 2)→Ok



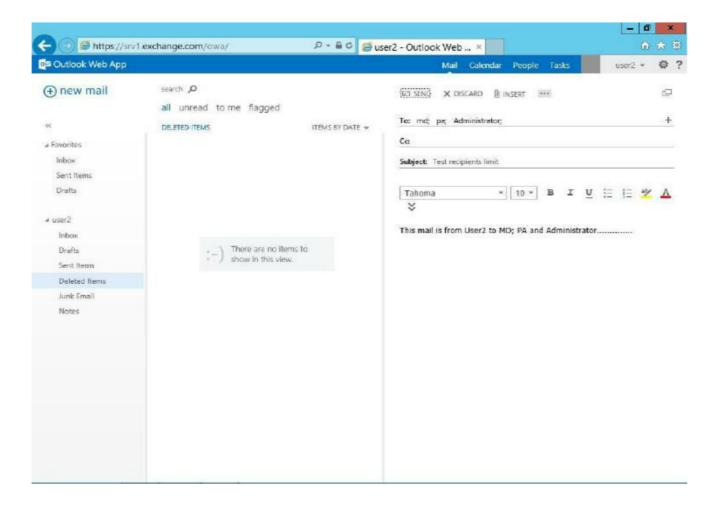
Click Save



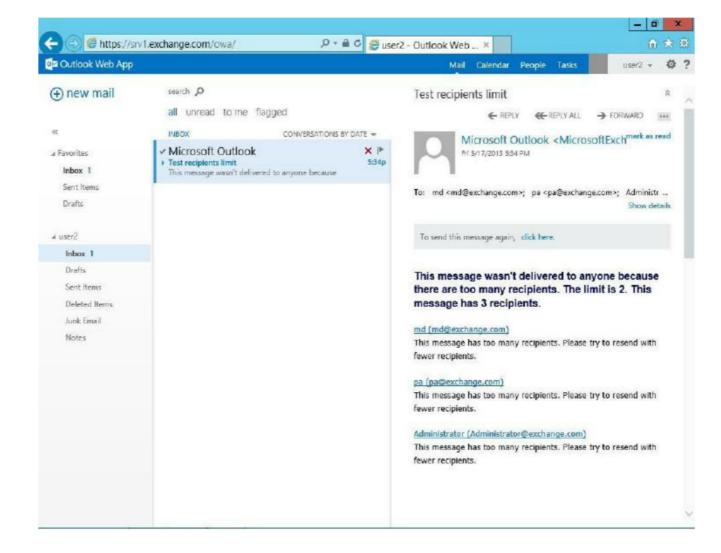


Verification:

 Log in to Mailbox of the user (Ex: User2) and send a single message to more people than the recipient limits (Ex: 3) i.e. (Ex: MD; PA; Administrator)



• Verify the **Undeliverable Message** and the reason that, **The message has too many recipients**.







Lab – 13: Granting Full Mailbox Access of the user to another user

Objective:

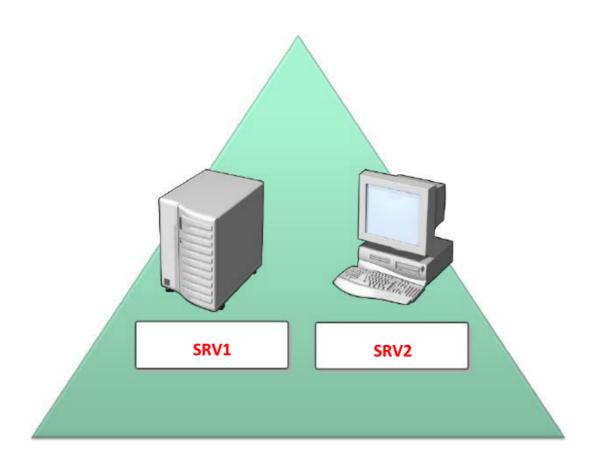
To provide full mailbox access of another user to a Mailbox Enabled User

Pre-requisites:

Before working on this lab, you must have

- A computer running Windows 2012 Server Domain Controller with Exchange Server application installed.
- A computer running Windows 7.

Topology:



EXCHANGE.COM

SRV1		SRV2	
Domain Controller		Client	
IP Address	10.0.0.1	IP Address	10.0.0.2
Subnet Mask	255.0.0.0	Subnet Mask	255.0.0.0
Preferred DNS	10.0.0.1	Preferred DNS	10.0.0.1



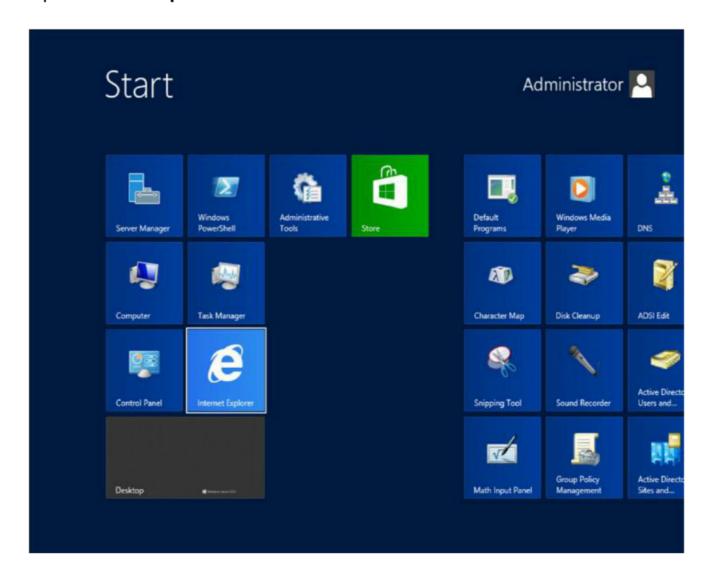


Steps:

Start



• Open Internet Explorer

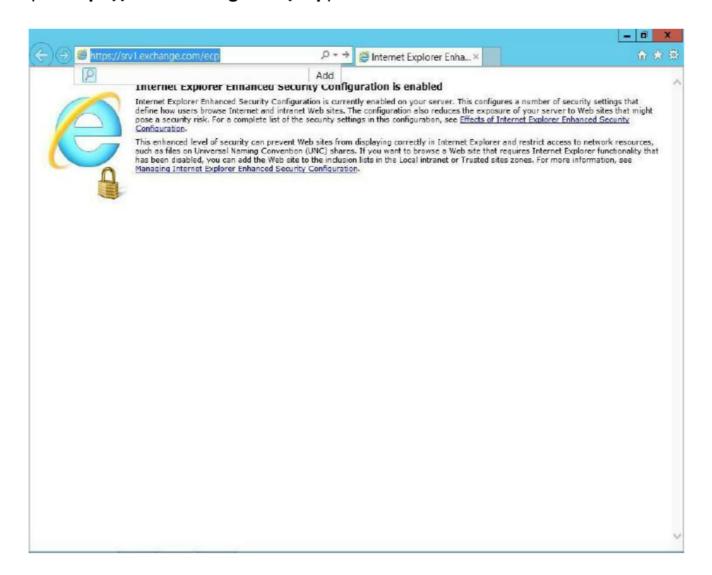




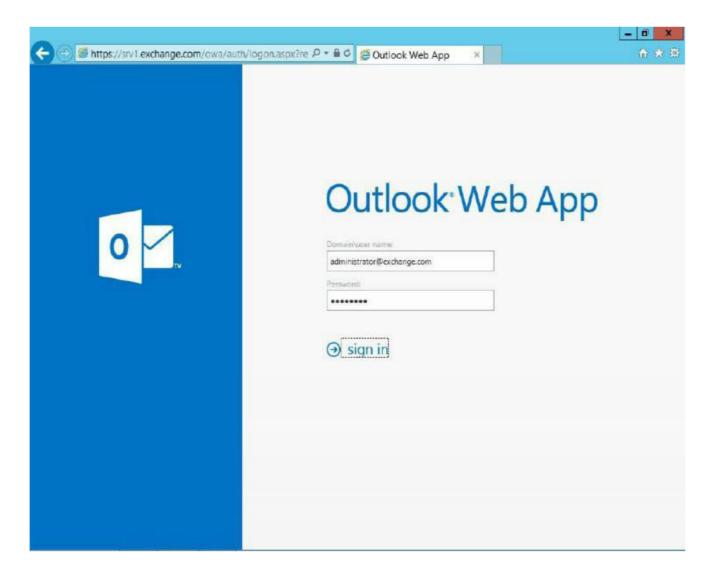


• Enter the address https://FullyQualified Domain Name / Virtual Directory Name

(Ex: https://srv1.exchange.com/ecp)



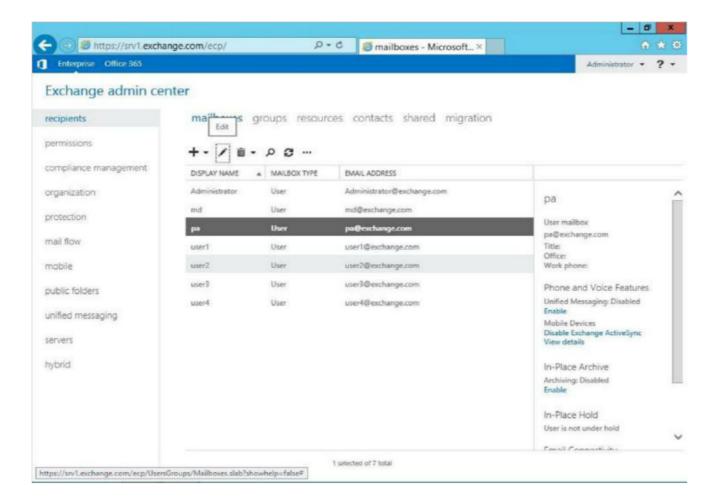
■ Enter User Name and Password→click sign in



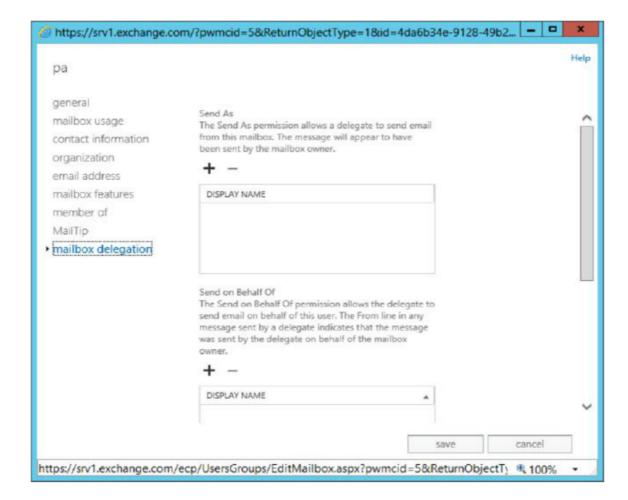




In Exchange Admin Center→select Recipients→select Mailboxes tab→select User (Ex:
 PA)→select Edit tab



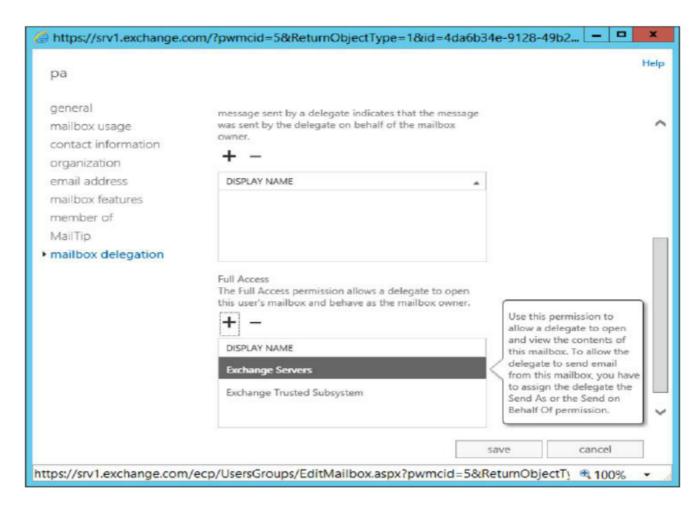
• Select Mailbox delegation→scroll down



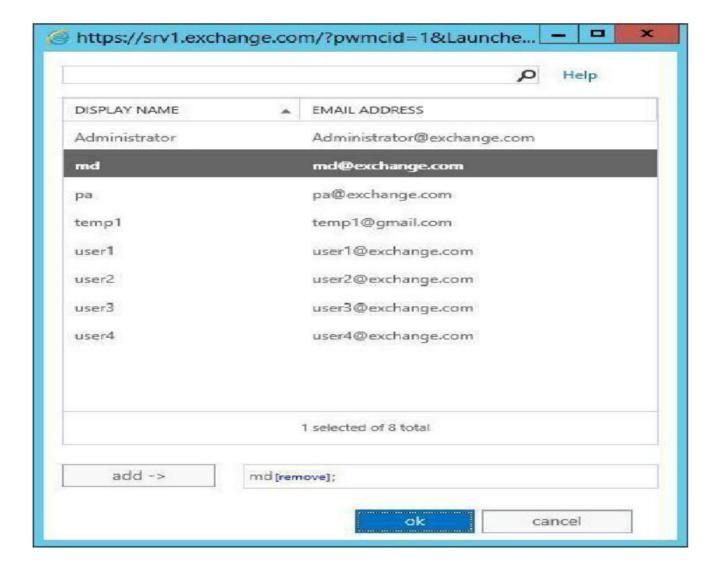




In Full Access→select Add (+)



Select the User (Ex: MD)→click Add→click OK.



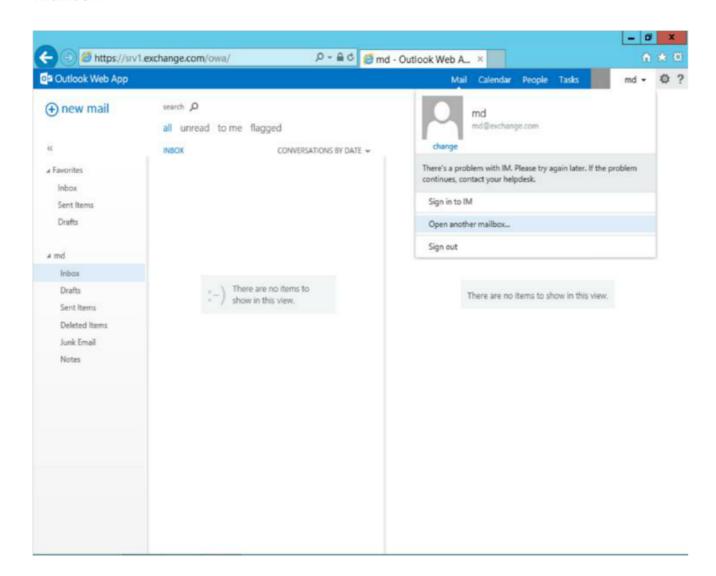
Click Save



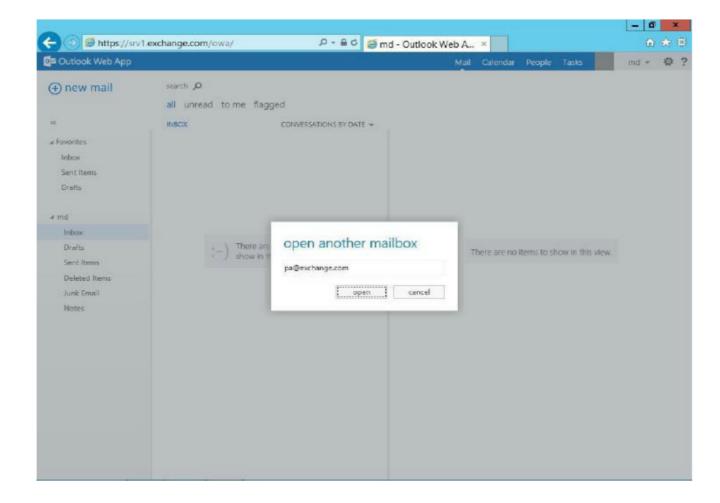


Verification:

Log into the Mailbox of the User (Ex: MD) using Outlook Web App→select Open another
 mailbox



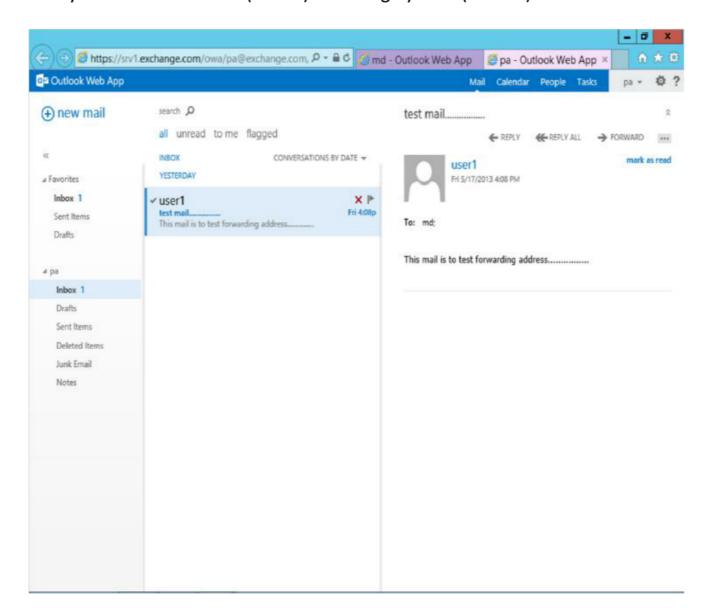
• Enter user name (Ex: PA)→click open







Verify the mailbox of User (Ex: PA) accessing by User (Ex: MD)







Lab – 14: Applying Storage Quotas on the User Mailbox

Objective:

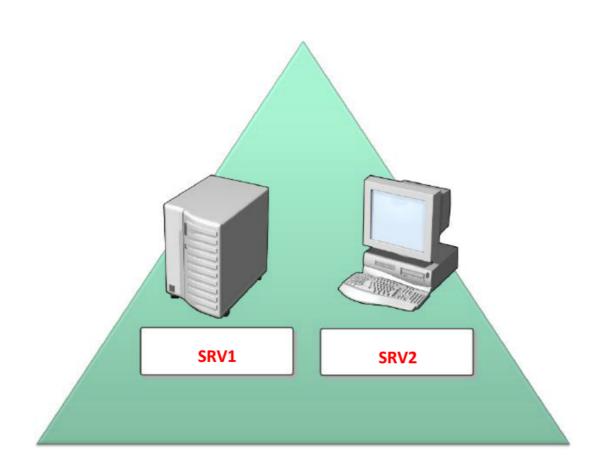
To define the mailbox size for a Mailbox Enabled User

Pre-requisites:

Before working on this lab, you must have

- A computer running Windows 2012 Server Domain Controller with Exchange Server application installed.
- A computer running Windows 7.

Topology:



EXCHANGE.COM

SRV1		SRV2	
Domain Controller		Client	
IP Address	10.0.0.1	IP Address	10.0.0.2
Subnet Mask	255.0.0.0	Subnet Mask	255.0.0.0
Preferred DNS	10.0.0.1	Preferred DNS	10.0.0.1



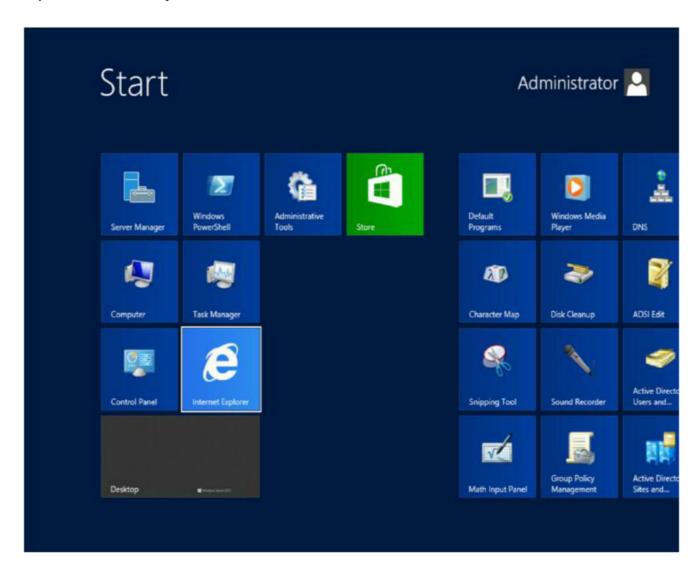


Steps:

Start



• Open Internet Explorer





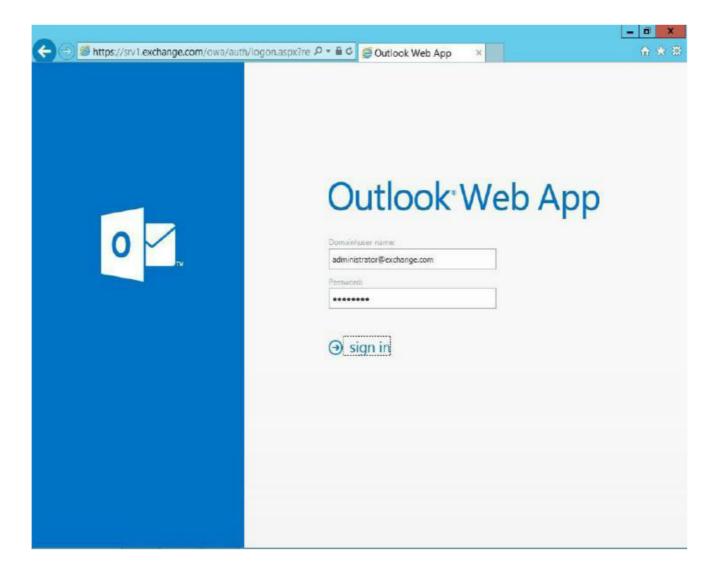


Enter the address https://FullyQualified Domain Name / Virtual Directory Name

(Ex: https://srv1.exchange.com/ecp)



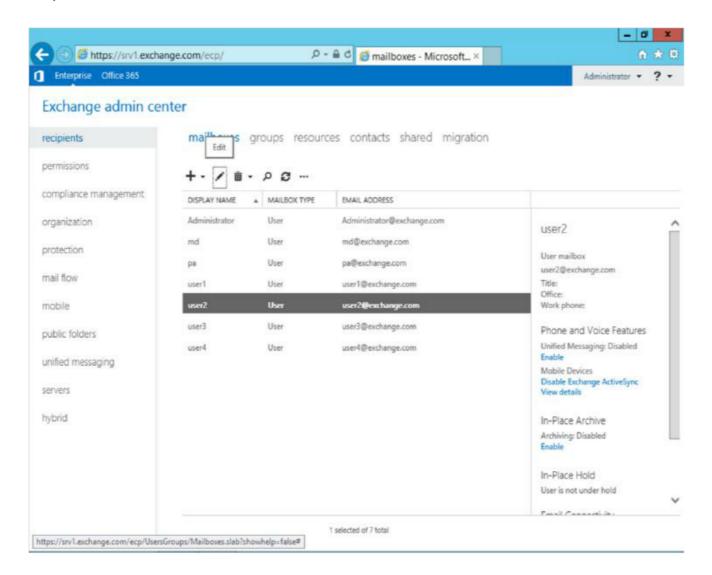
■ Enter User Name and Password→click sign in



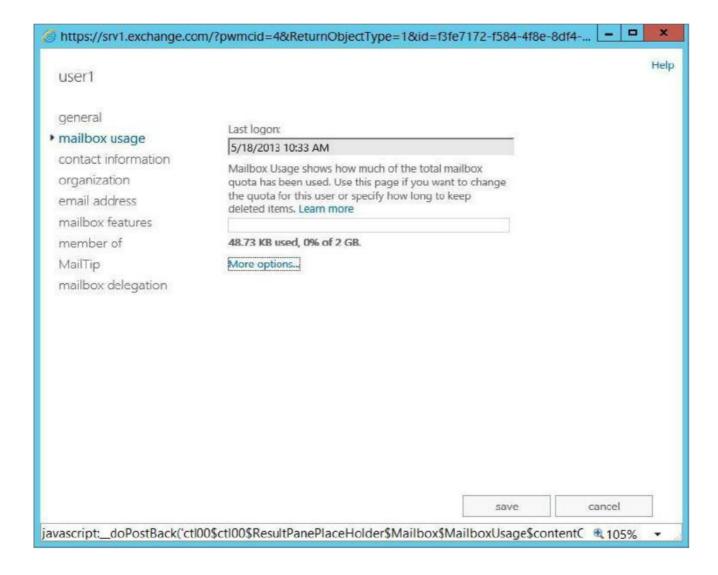




In Exchange Admin Center→select Recipients→select Mailboxes tab→select User (Ex:
 PA)→select Edit tab



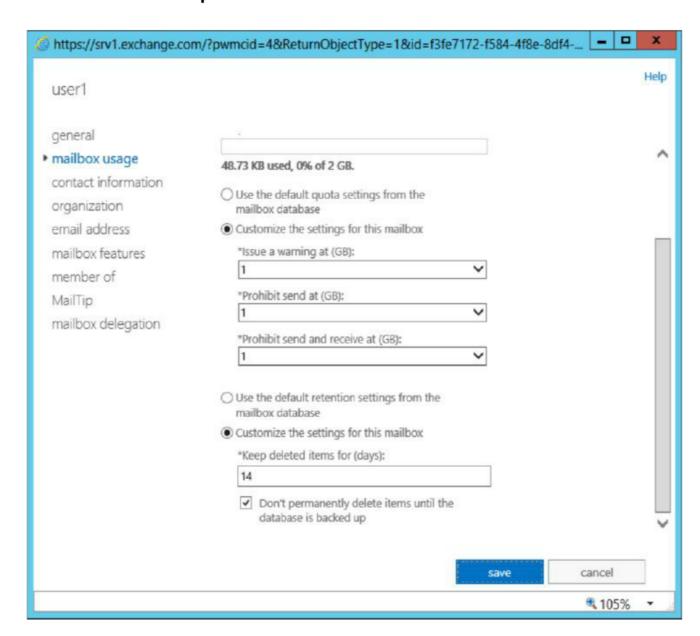
Select Mailbox usage→click More options







Select Customize the settings for this Mailbox→select Issue a warning, Prohibit send and Prohibit send and receive→enter the values in GB→In Customize the settings for this Mailbox→enter the value (Ex: 14)→check the box Don't permanently delete items until the database is backed up→click Save.

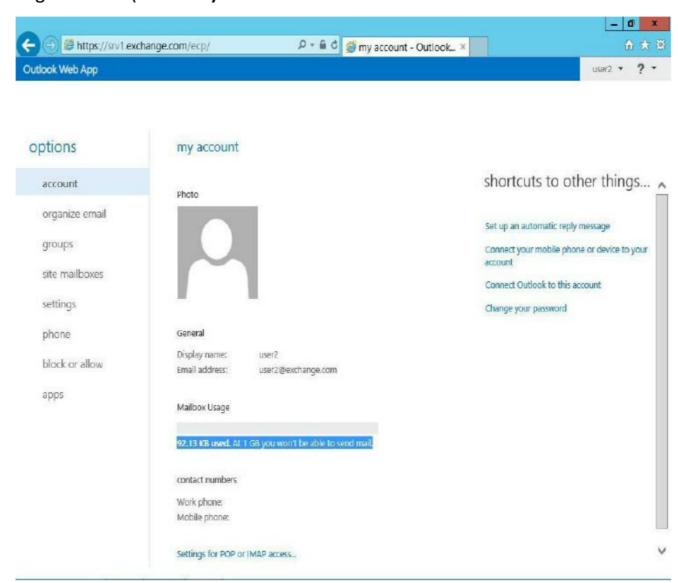






Verification:

• Log in as user (Ex: user2) and check the modified mailbox size.







Lab – 15: Creating Admin Roles for User

Objective:

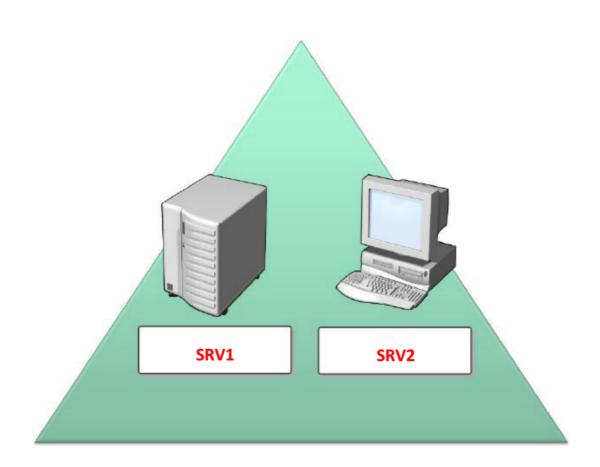
To delegate Admin rights for decentralization of Exchange tasks to Junior Administrator

Pre-requisites:

Before working on this lab, you must have

- A computer running Windows 2012 Server Domain Controller with Exchange Server application installed.
- A computer running Windows 7.

Topology:



EXCHANGE.COM

SRV1		SRV2	
Domain Controller		Client	
IP Address	10.0.0.1	IP Address	10.0.0.2
Subnet Mask	255.0.0.0	Subnet Mask	255.0.0.0
Preferred DNS	10.0.0.1	Preferred DNS	10.0.0.1



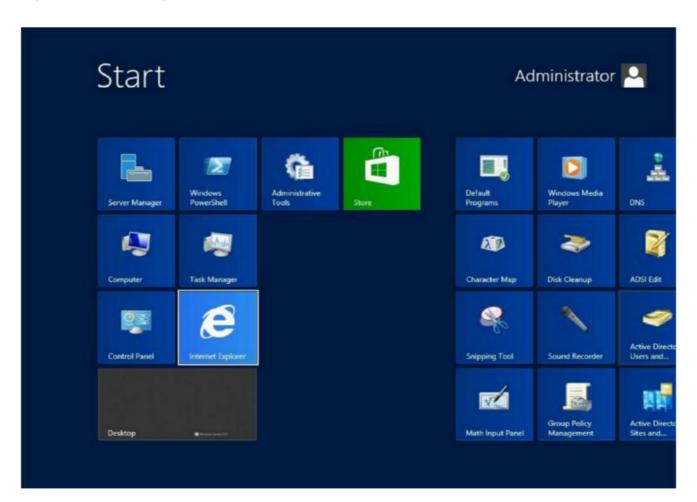


Steps:

Start



• Open Internet Explorer





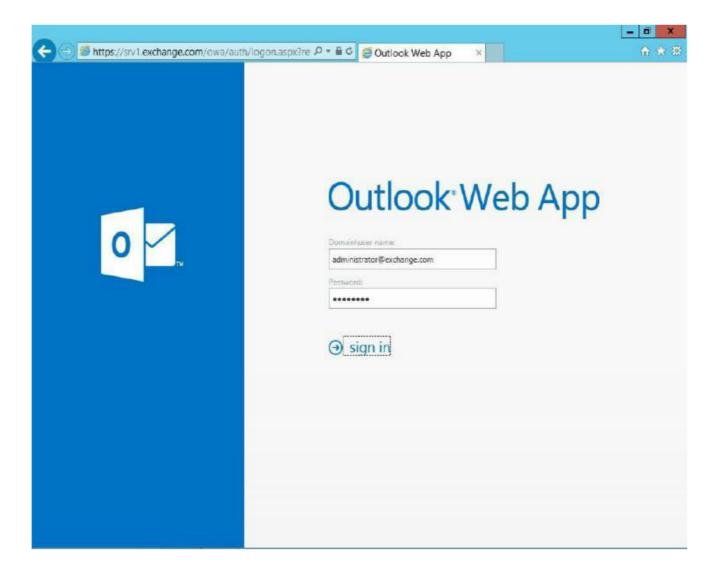


Enter the address https://FullyQualified Domain Name / Virtual Directory Name

(Ex: https://srv1.exchange.com/ecp)



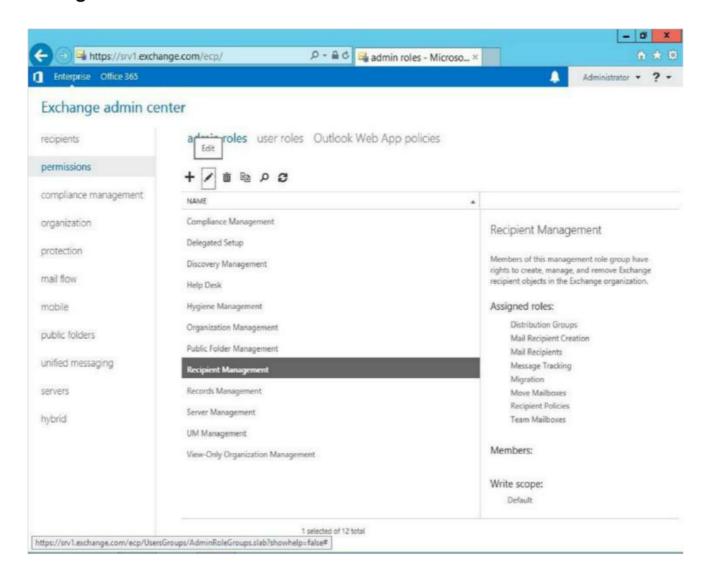
Enter User Name and Password→click sign in



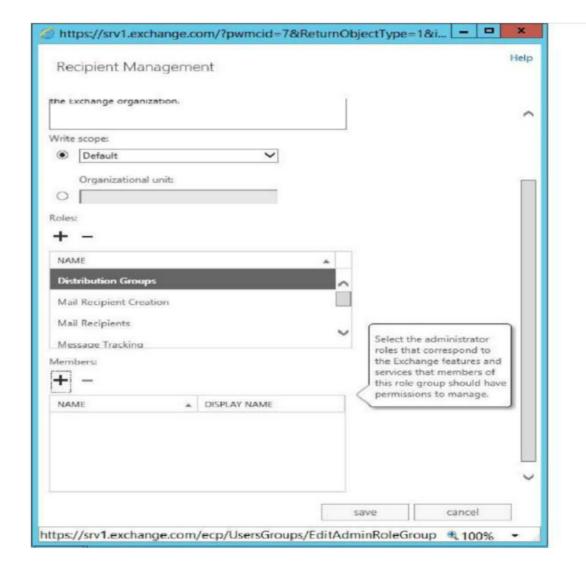




In Exchange Admin Center→select Permissions→select Admin Roles tab→select Recipient
 Management→click Edit



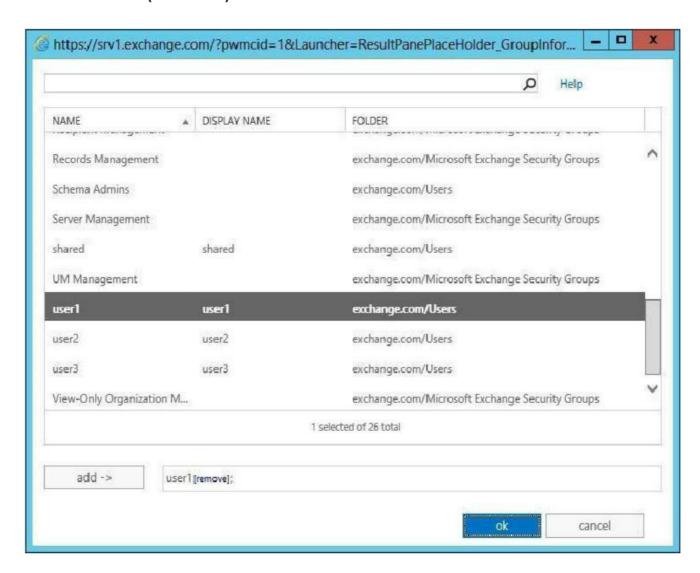
Select Members→click Add



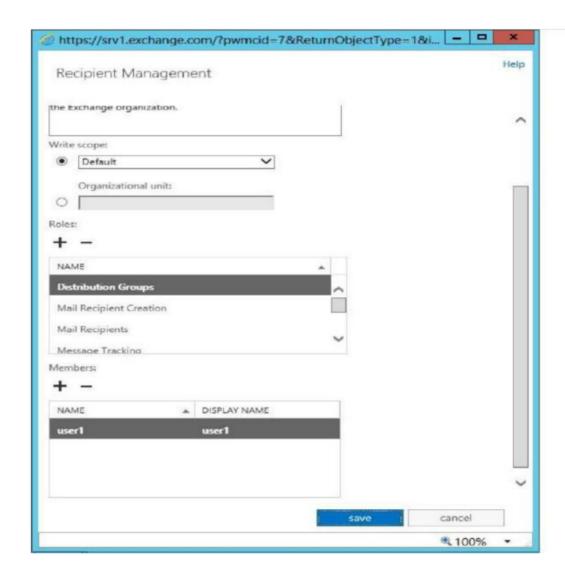




Select the user (Ex:User1)→click Add→click Ok



Click Save

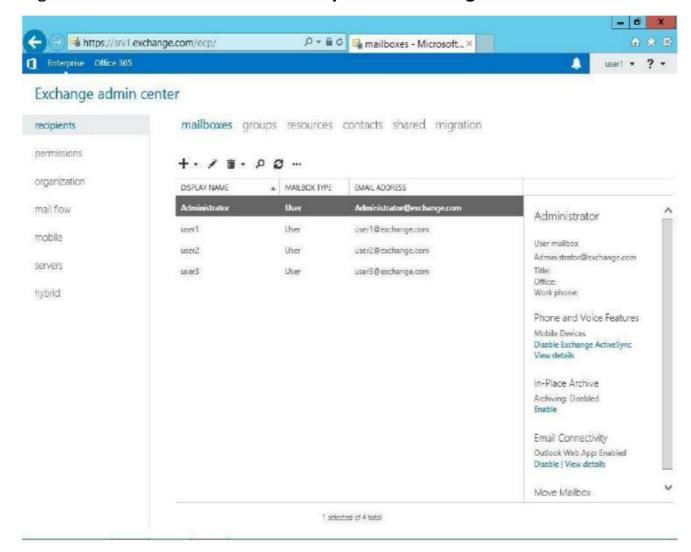






Verification:

Login as User1 in ECP & check the Recipients in Exchange Admin Center







Lab – 16: Assigning Role Assignment Policy to the User

Objective:

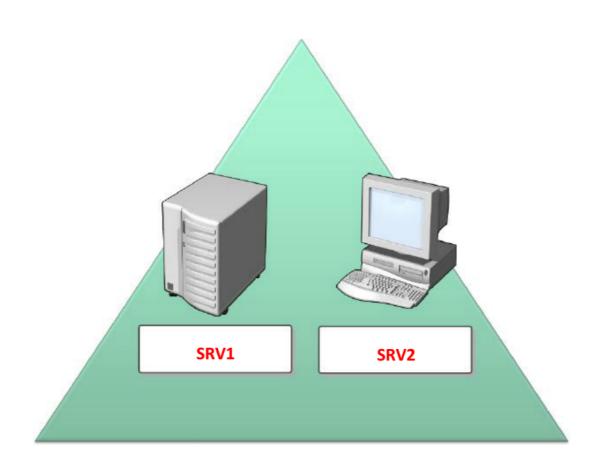
Adding new Role Assignment Policy to a Junior Administrator

Pre-requisites:

Before working on this lab, you must have

- A computer running Windows 2012 Server Domain Controller with Exchange Server application installed.
- A computer running Windows 7.

Topology:



EXCHANGE.COM

SRV1		SRV2	
Domain Controller		Client	
IP Address	10.0.0.1	IP Address	10.0.0.2
Subnet Mask	255.0.0.0	Subnet Mask	255.0.0.0
Preferred DNS	10.0.0.1	Preferred DNS	10.0.0.1



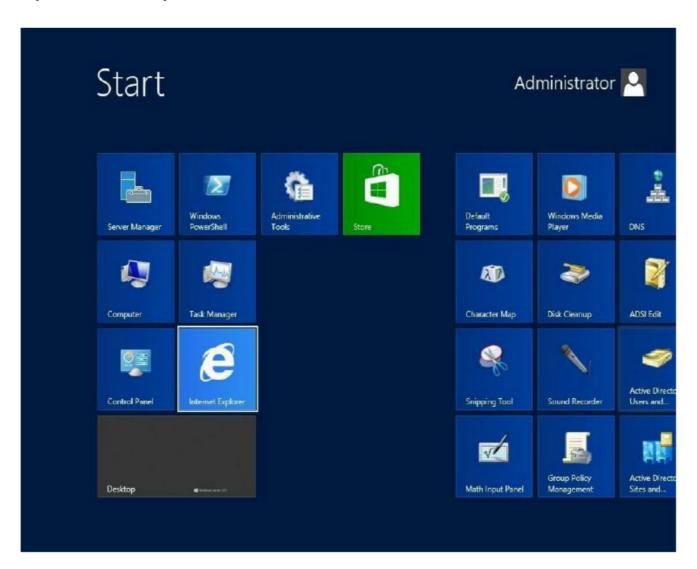


Steps:

Start



Open Internet Explorer





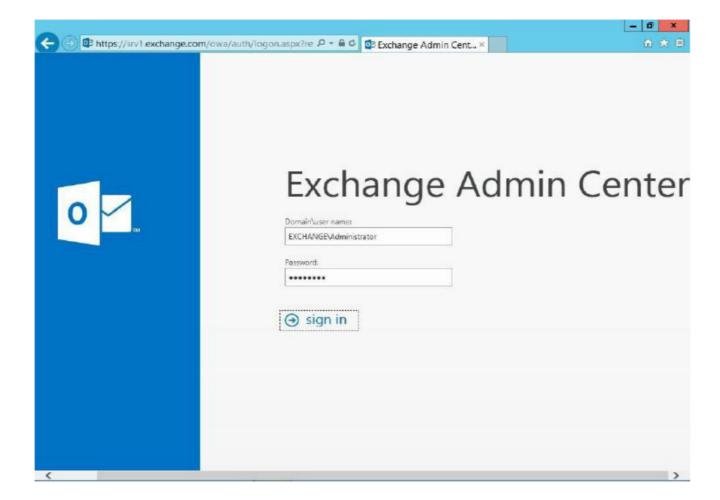


Enter the address https://FullyQualified Domain Name / Virtual Directory Name

(Ex: https://srv1.exchange.com/ecp)



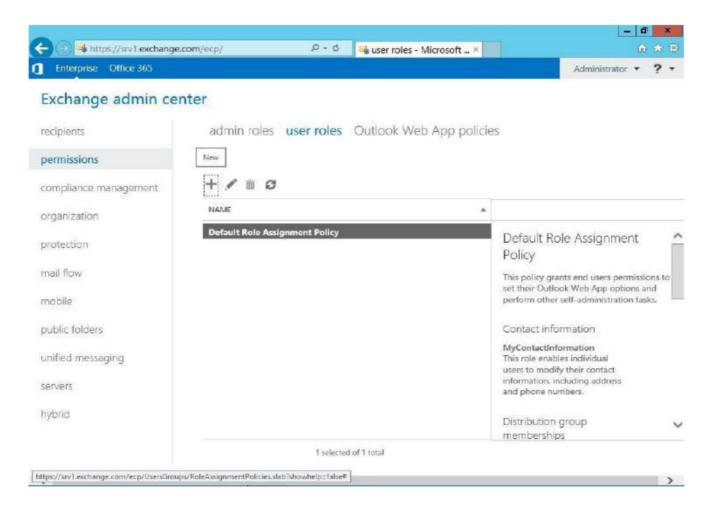
• Enter User Name (Ex: <u>Administrator@exchange.com</u>) and Password→click sign in



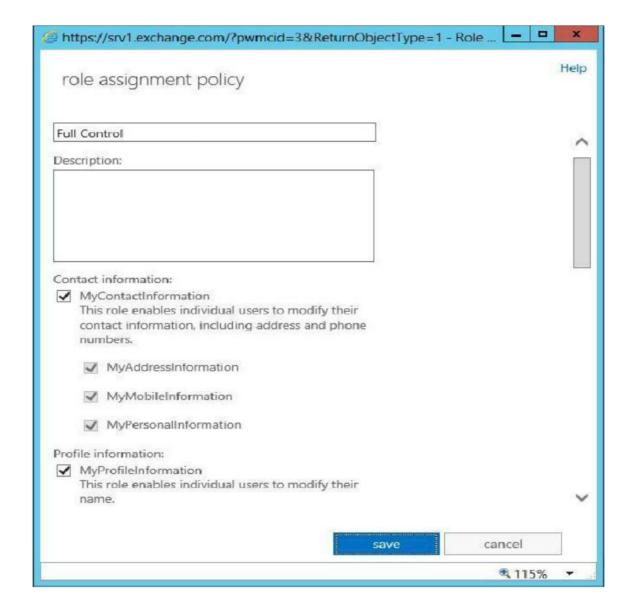




• In Exchange Admin Center→select Permissions→select User Roles tab→click New



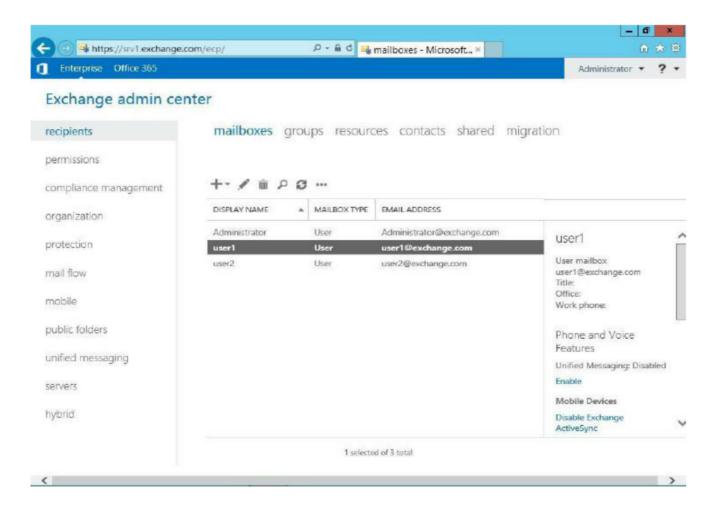
• Enter Policy name (Ex: Full Control)→check the box in all options→click Save



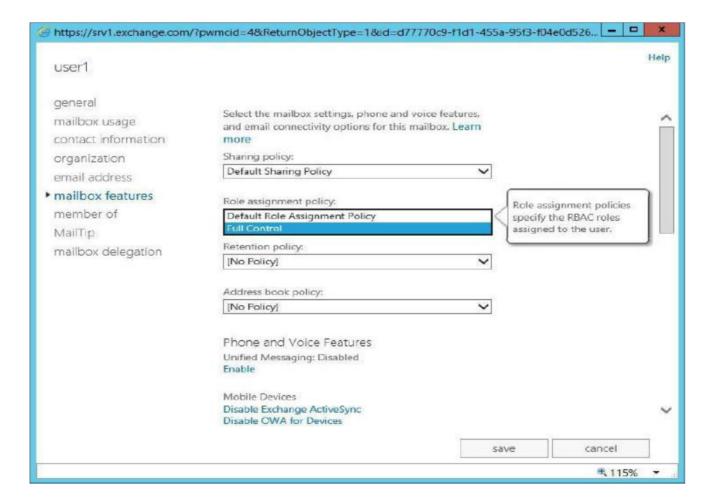




• Select Recipients→select the user (Ex:User1)→click Edit



Select Mailbox Features→expand Role Assignment Policy→select Full Control→click Save

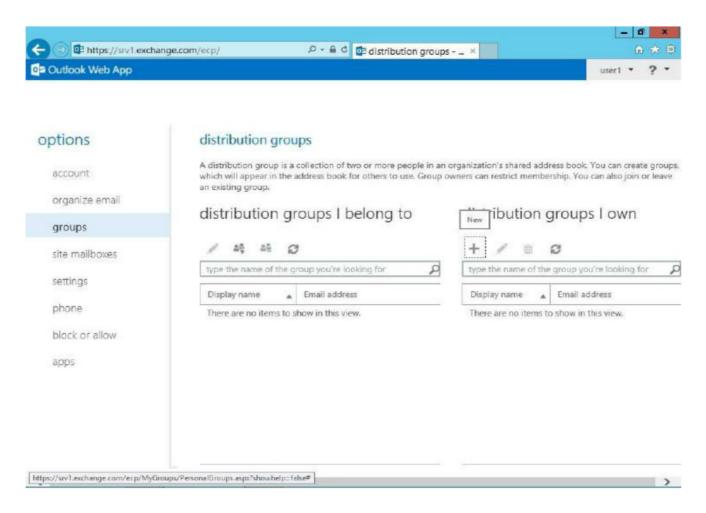




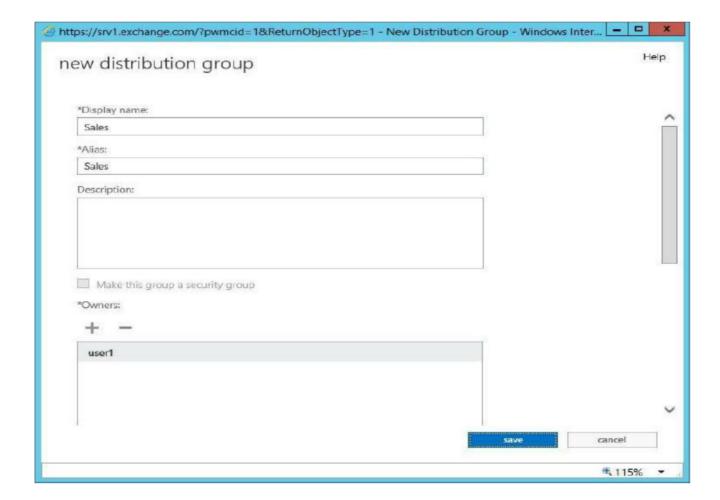


Verification:

Log in as user (Ex: User1) in ECP→select Groups→click New



• Enter group name (Ex: Sales)→click Save







Lab – 17: Creating Outlook Web App Mailbox Policy

Objective:

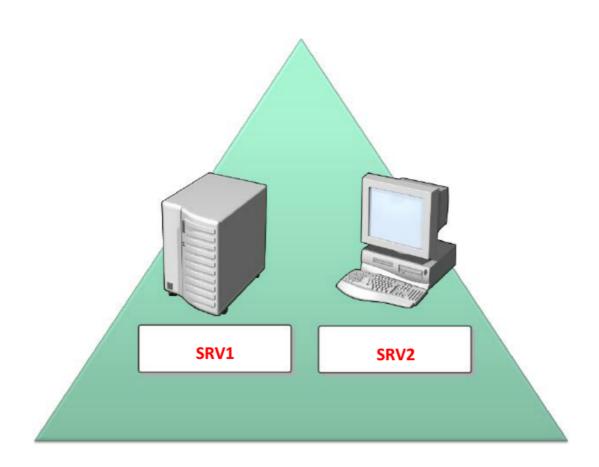
To create a new Outlook Web App Policy for a Mailbox Enabled User

Pre-requisites:

Before working on this lab, you must have

- A computer running Windows 2012 Server Domain Controller with Exchange Server application installed.
- A computer running Windows 7.

Topology:



EXCHANGE.COM

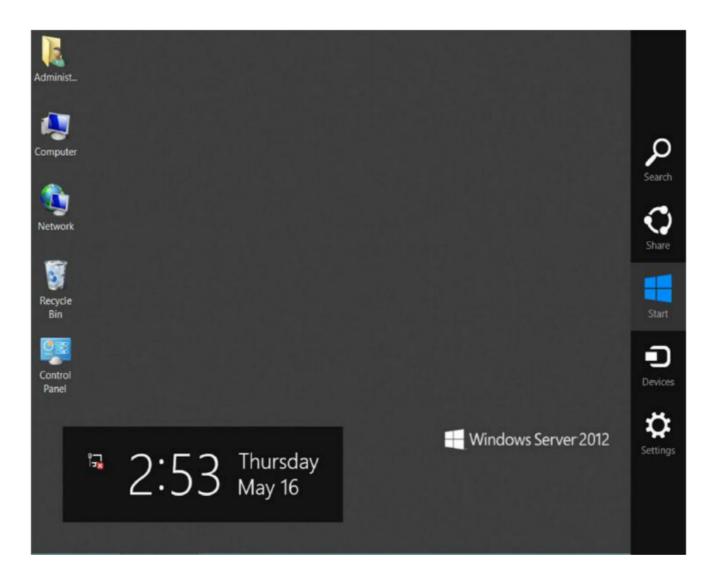
SRV1		SRV2	
Domain Controller		Client	
IP Address	10.0.0.1	IP Address	10.0.0.2
Subnet Mask	255.0.0.0	Subnet Mask	255.0.0.0
Preferred DNS	10.0.0.1	Preferred DNS	10.0.0.1



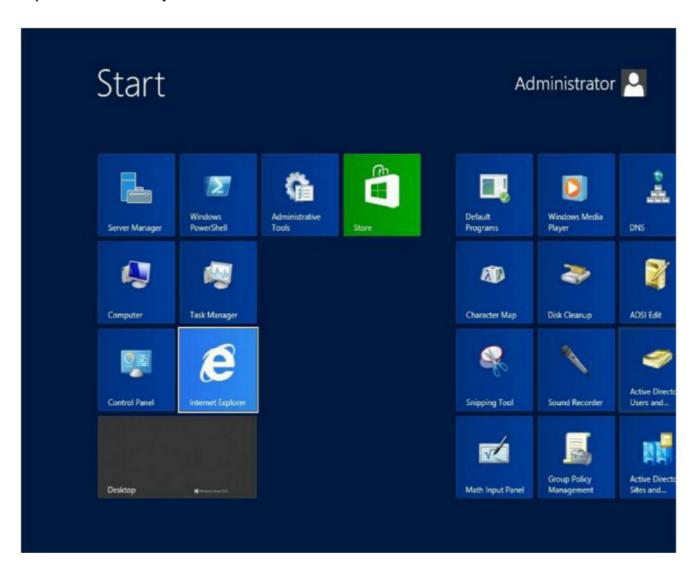


Steps:

Start



• Open Internet Explorer





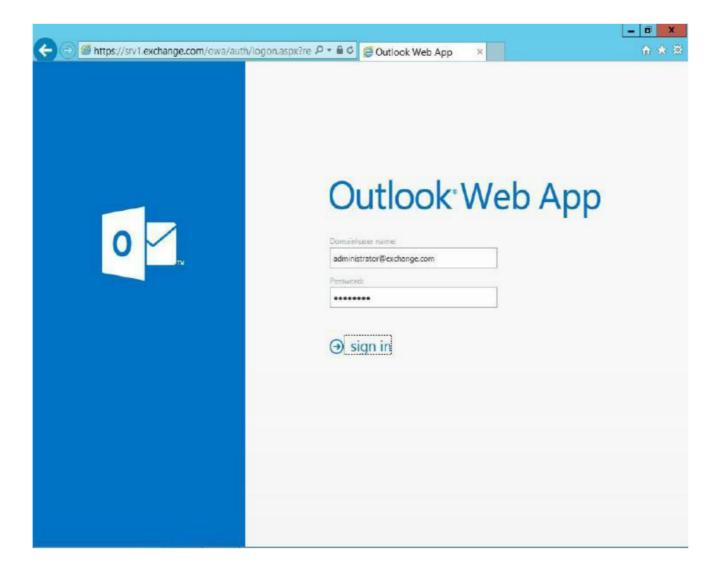


• Enter the address https://FullyQualified Domain Name / Virtual Directory Name

(Ex: https://srv1.exchange.com/ecp)



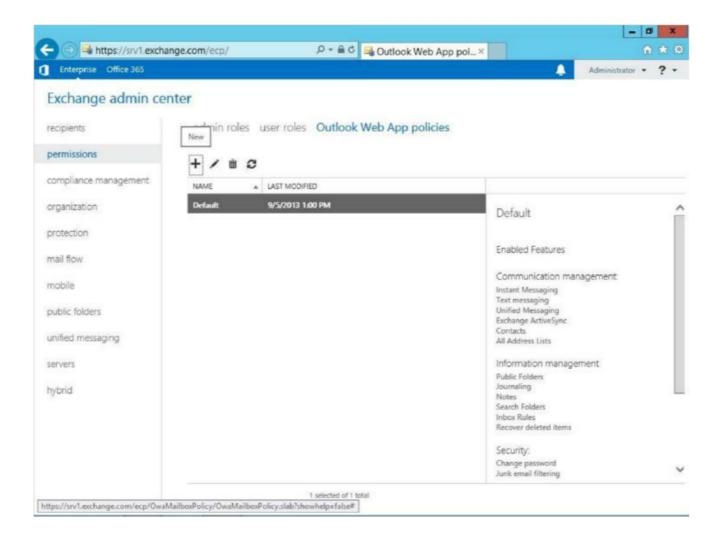
Enter User Name and Password→click sign in



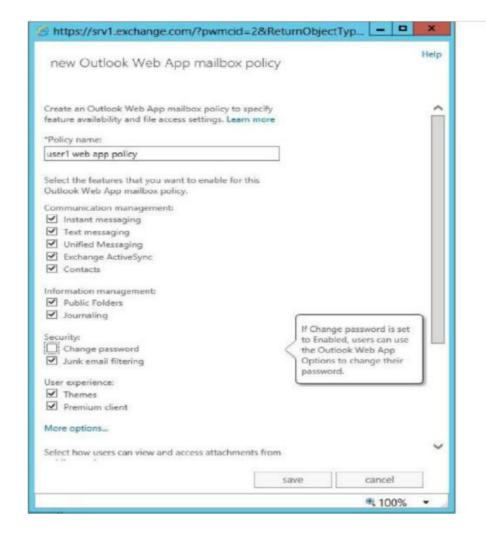




In Exchange Admin Center→select Permissions→select Outlook Web App Policies Roles
 tab→click New



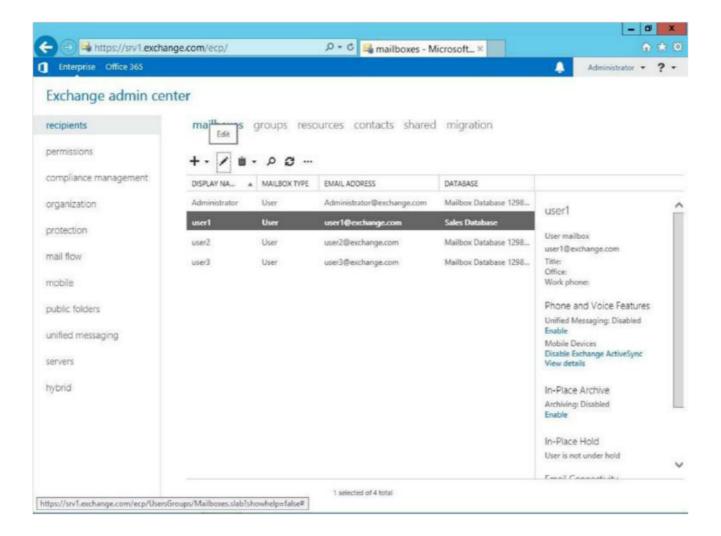
Enter Policy Name (Ex:-User1 Web App Policy)→Uncheck the box Change Password→click
 Save



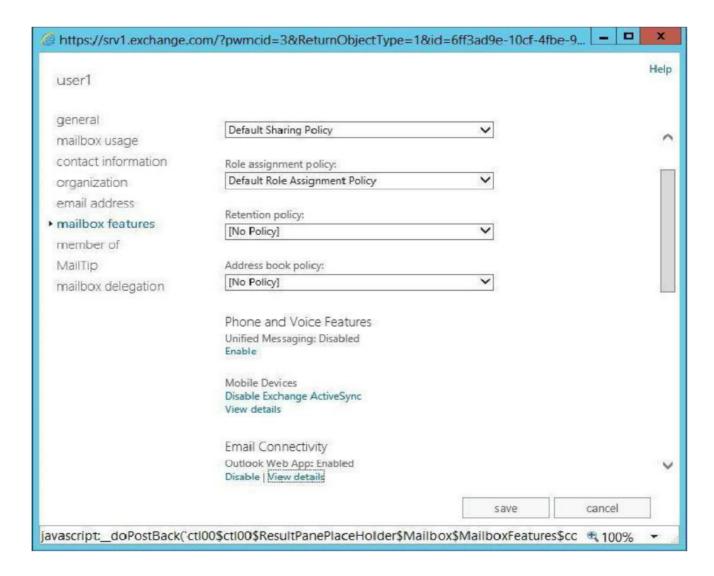




• Select Recipients→Select the user (Ex:-User1)→Click Edit



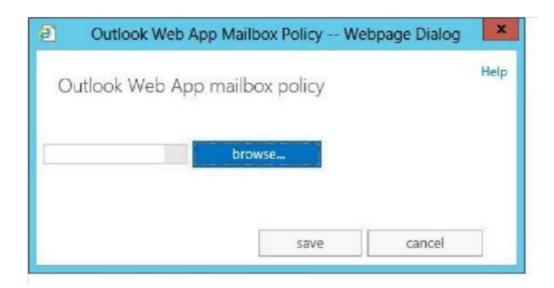
• Select Mailbox Features→Click View Details in Email Connectivity



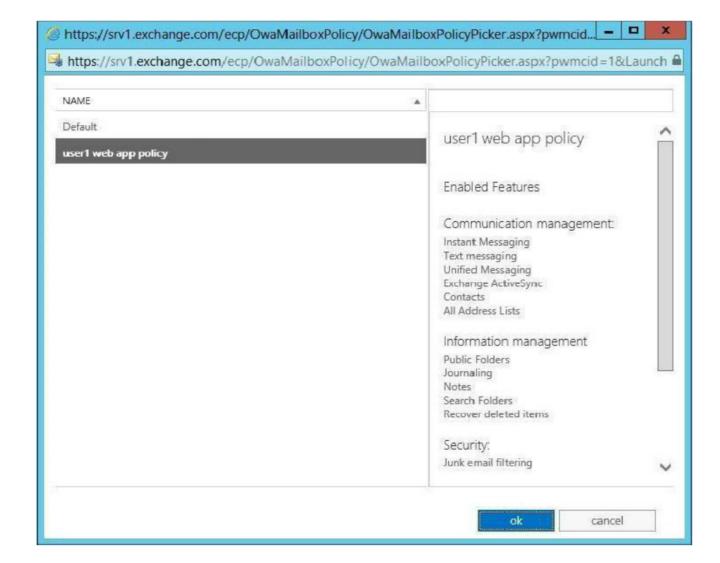




Click Browse



Select User Web App Policy→Click Ok



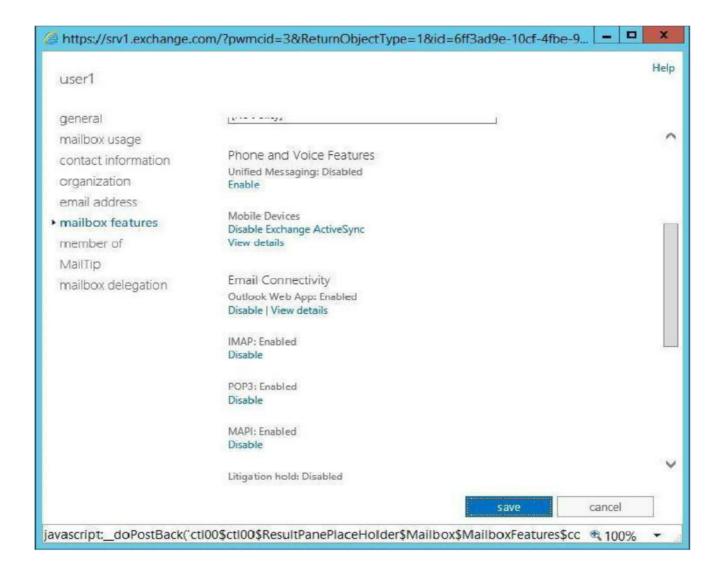




Click Save



Click Save

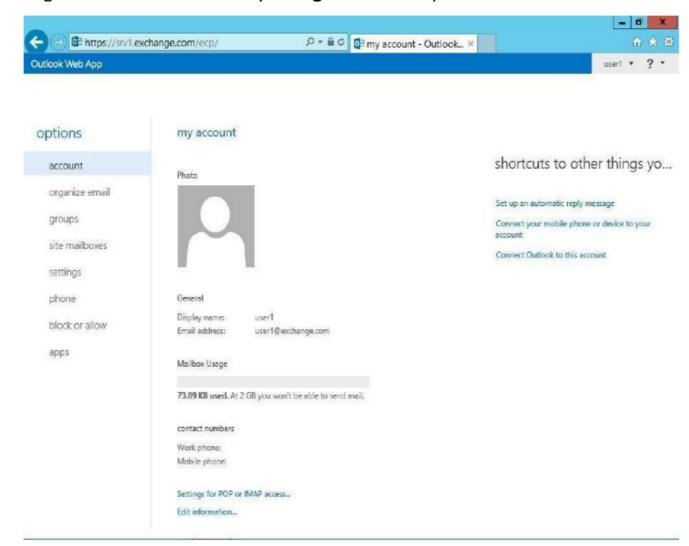






Verification:

• Login as **User1** in **ECP** & verify **Change Password** option is disabled







Lab – 18: Configuring Transport Rules

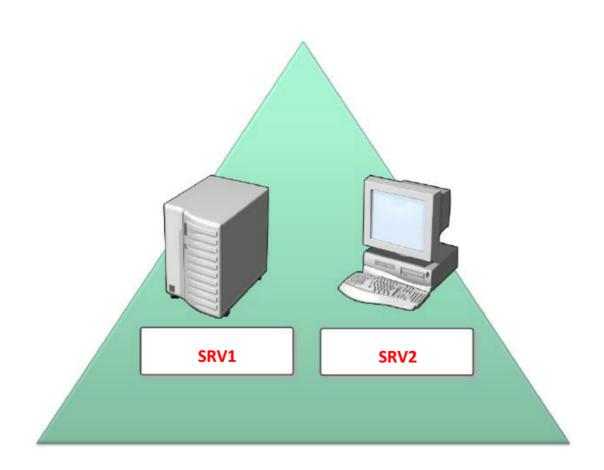
Objective: To track user emails for monitoring

Pre-requisites:

Before working on this lab, you must have

- A computer running Windows 2012 Server Domain Controller with Exchange Server application installed.
- A computer running Windows 7.

Topology:



EXCHANGE.COM

SRV1		SRV2	
Domain Controller		Client	
IP Address	10.0.0.1	IP Address	10.0.0.2
Subnet Mask	255.0.0.0	Subnet Mask	255.0.0.0
Preferred DNS	10.0.0.1	Preferred DNS	10.0.0.1



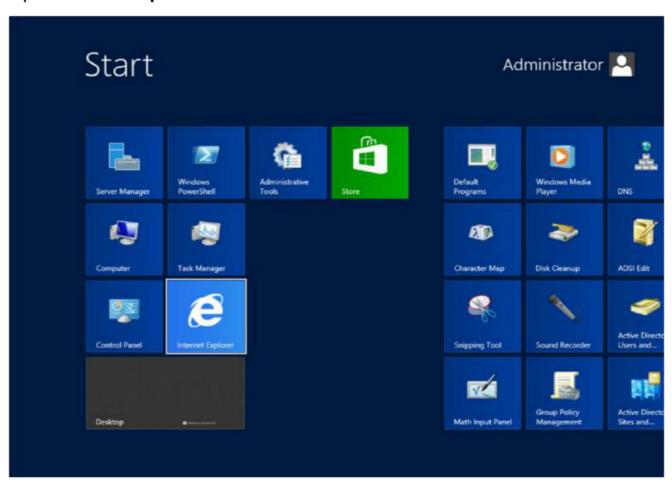


Steps:

Start



• Open Internet Explorer



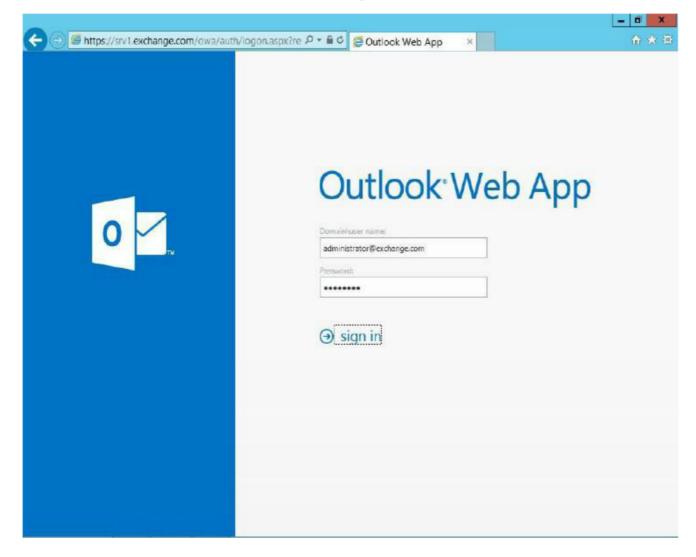




Enter the address https://FullyQualified Domain Name / Virtual Directory Name
 (Ex: https://srv1.exchange.com/ecp)



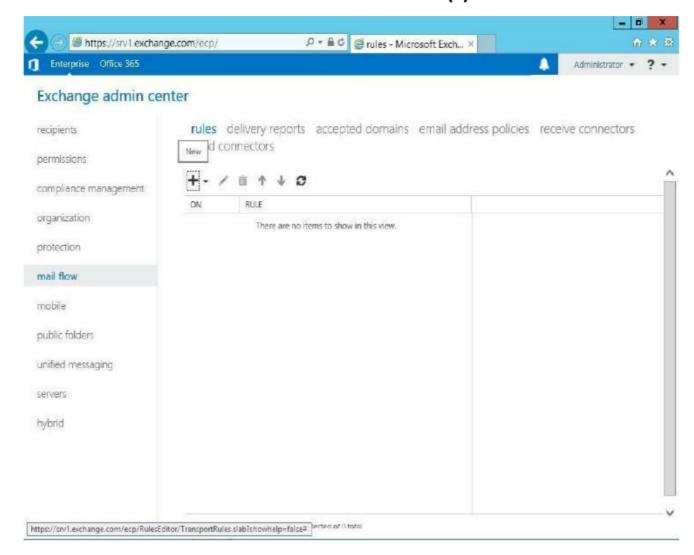
● Enter **User Name** and **Password**→click **Sign In**



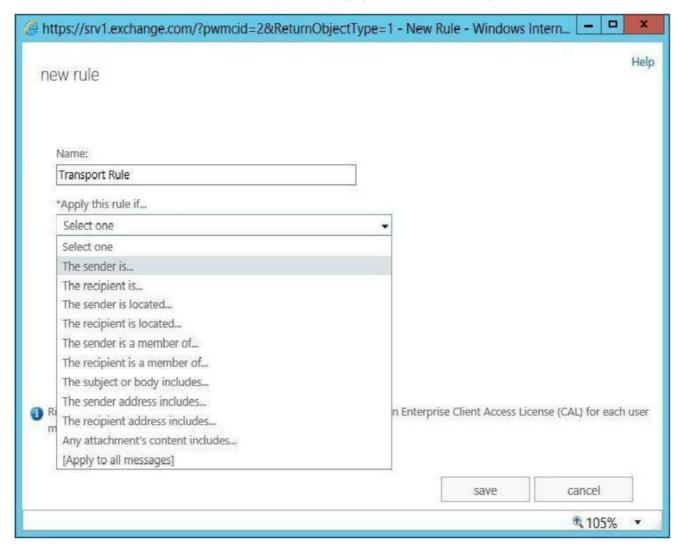




In EAC→select Mail flow→select Rules→click New (+)



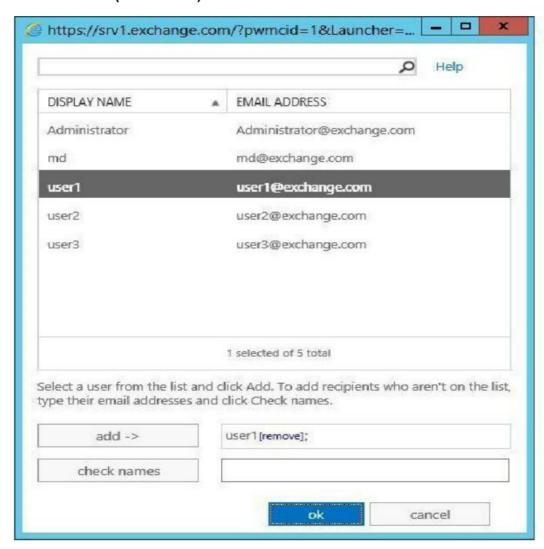
• Enter Name (Ex: Transport Rule)→in Apply this rule if, expand it→select The Sender is



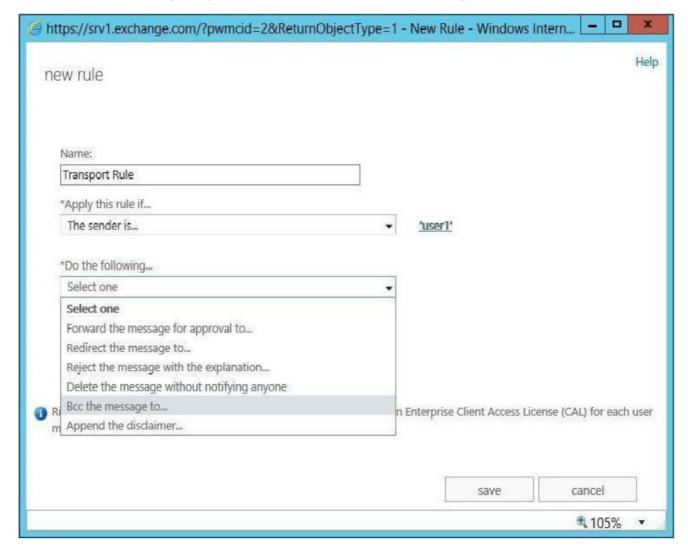




Select Users (Ex: User1)→click Add→click Ok



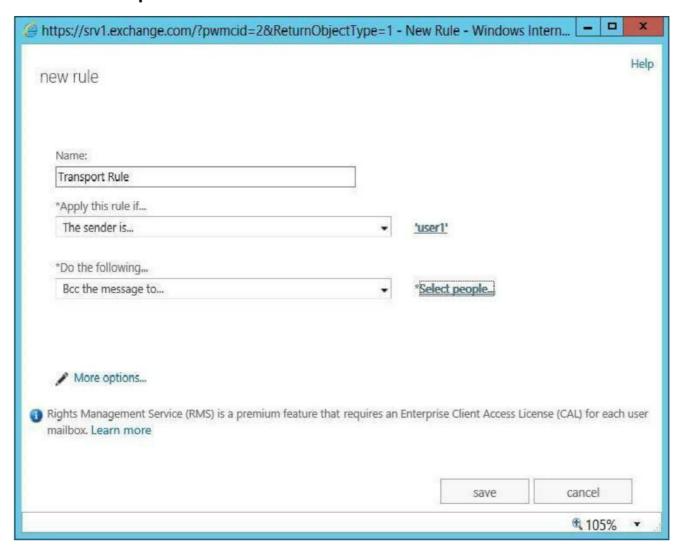
In Do the following, expand it→select BCC the message to



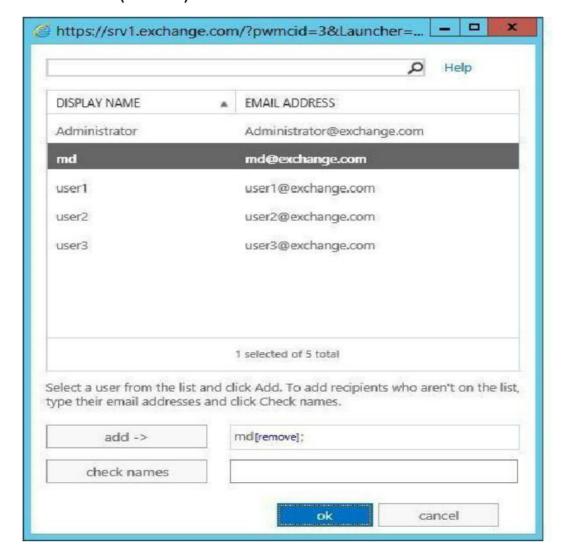




• Click **Select People**



Select User (Ex: MD)→click Add→click OK→click Save

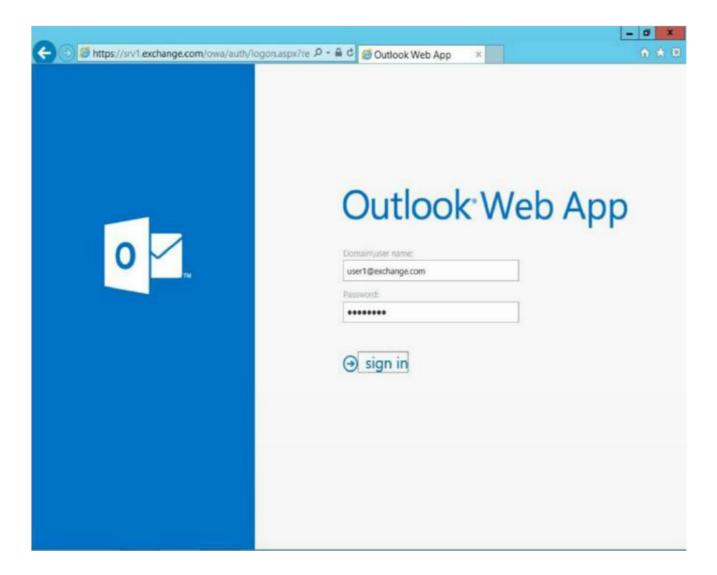




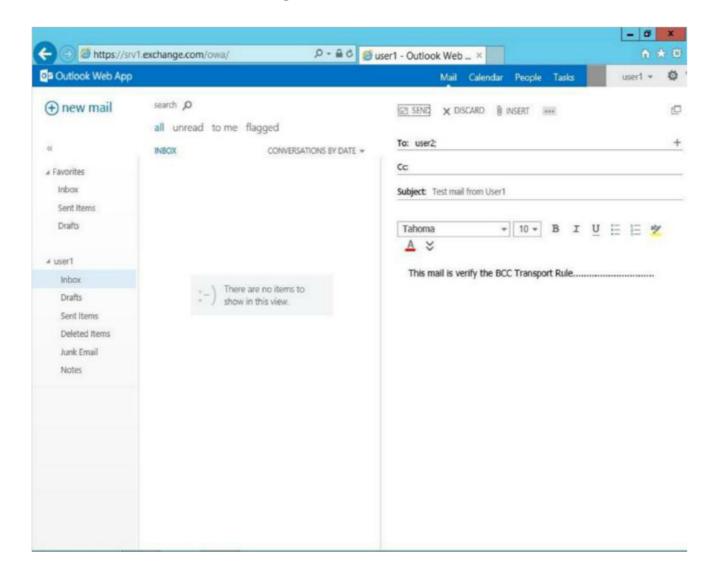


Verification:

• Login as user (Ex: user1)



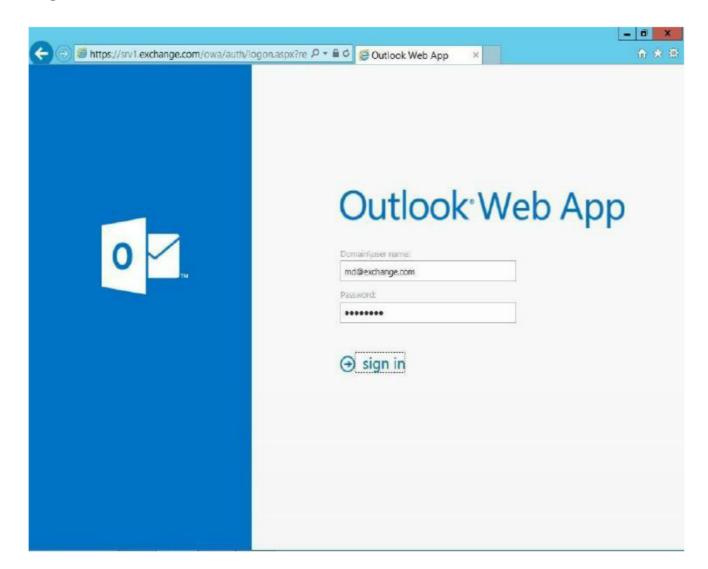
Click New mail→send a message to User2



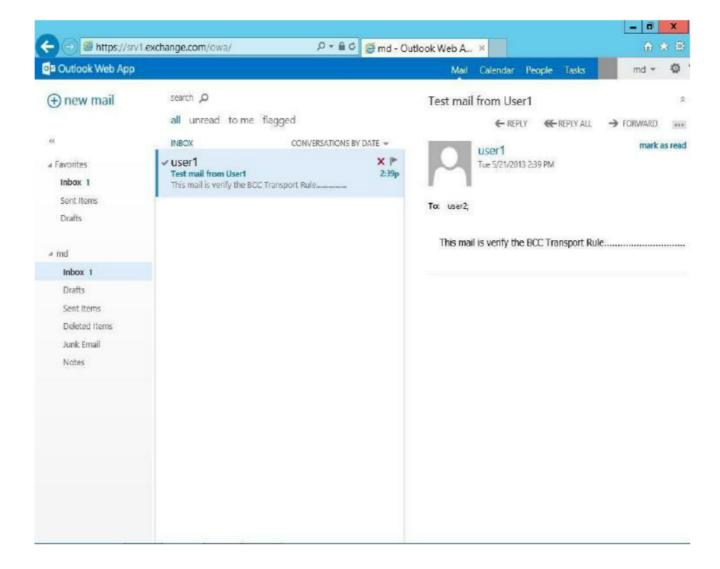




Log in as to the mailbox of MD



Verify for the mail sent by Use1 only to User2 automatically received by MD.







Lab – 19: Creating Delivery Reports

Objective:

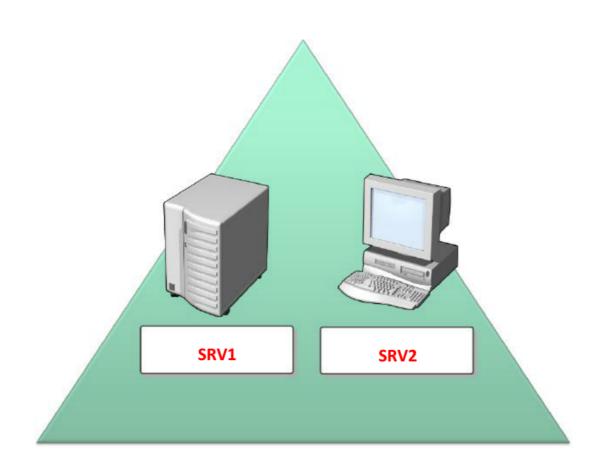
To track the user's deleted emails for monitoring

Pre-requisites:

Before working on this lab, you must have

- A computer running Windows 2012 Server Domain Controller with Exchange Server application installed.
- A computer running Windows 7.

Topology:



EXCHANGE.COM

SRV1		SRV2	
Domain Controller		Client	
IP Address	10.0.0.1	IP Address	10.0.0.2
Subnet Mask	255.0.0.0	Subnet Mask	255.0.0.0
Preferred DNS	10.0.0.1	Preferred DNS	10.0.0.1



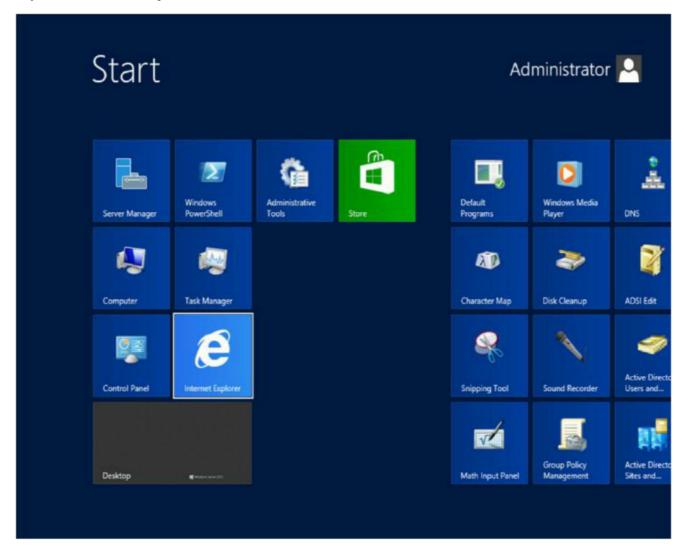


Steps:

Start



• Open Internet Explorer



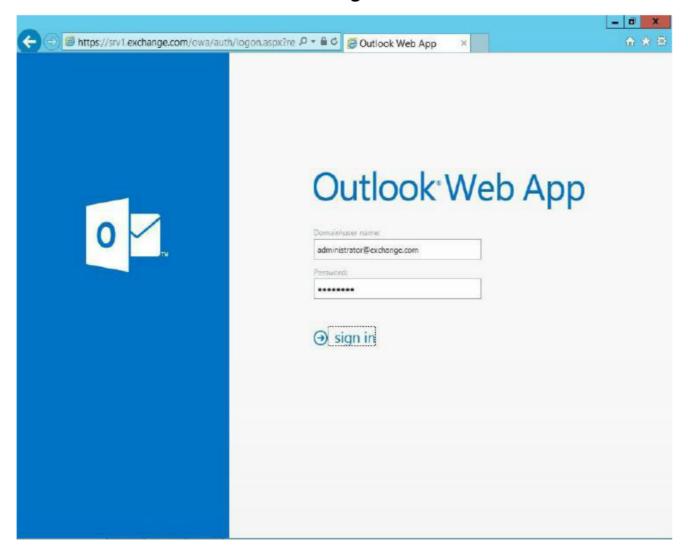
• Enter the address https://FullyQualified Domain Name / Virtual Directory Name



(Ex: https://srv1.exchange.com/ecp)



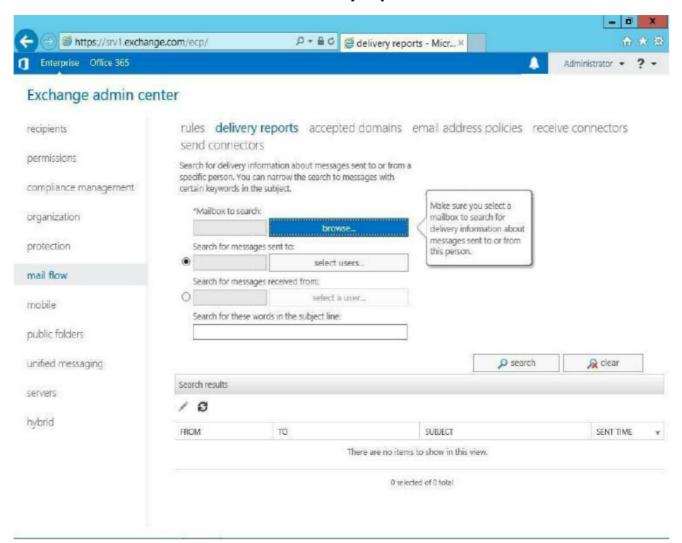
■ Enter User Name and Password→click sign in



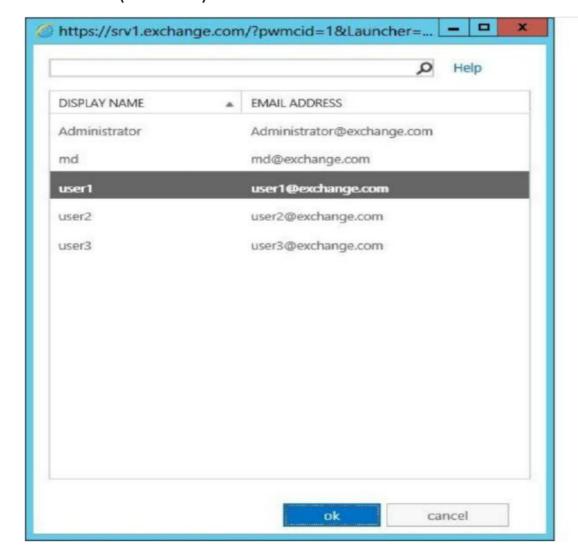




• In EAC→select Mail flow→select Delivery reports→click Browse

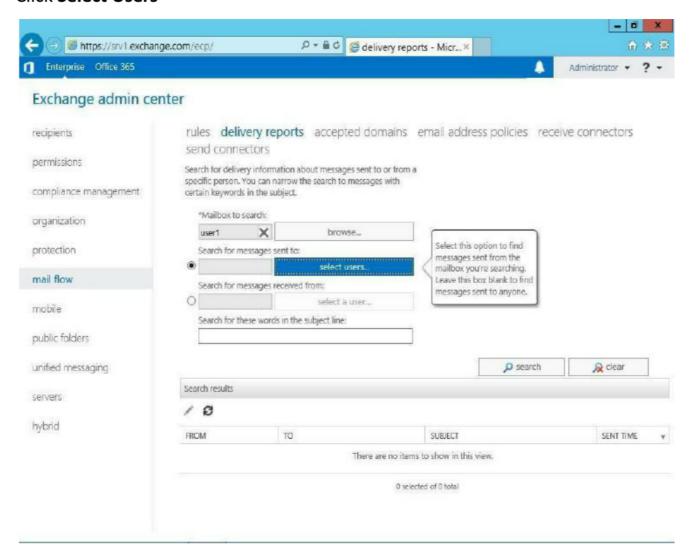


• Select user (Ex: **User1**)→click **Ok**

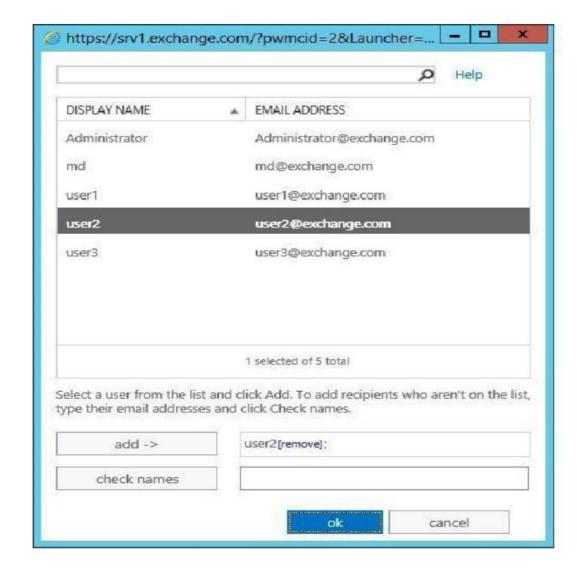




Click Select Users



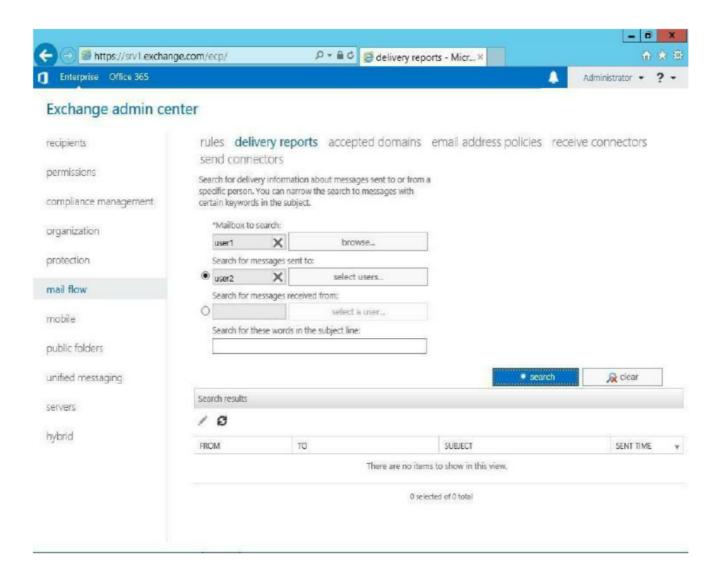
Select user (Ex: User2)→click Add→Click Ok



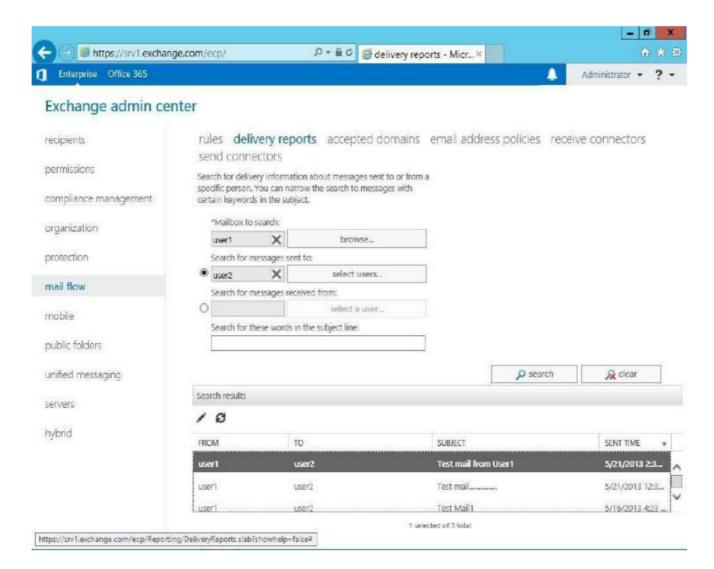




Click Search



Verify the messages sent by User1







Lab – 20: Creating a New Mailbox Database

Objective:

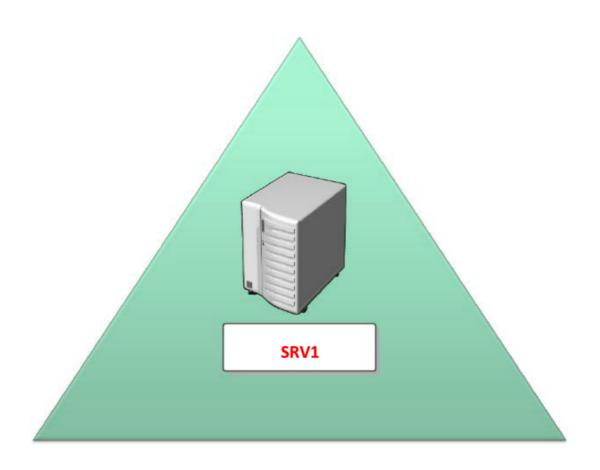
To manage Exchange Databases efficiently for each department

Pre-requisites:

Before working on this lab, you must have

 A computer running Windows 2012 Server Domain Controller with Exchange Server application installed.

Topology:



EXCHANGE.COM

SRV1

Domain Controller

IP Address 10.0.0.1

Subnet Mask 255.0.0.0

Preferred DNS 10.0.0.1



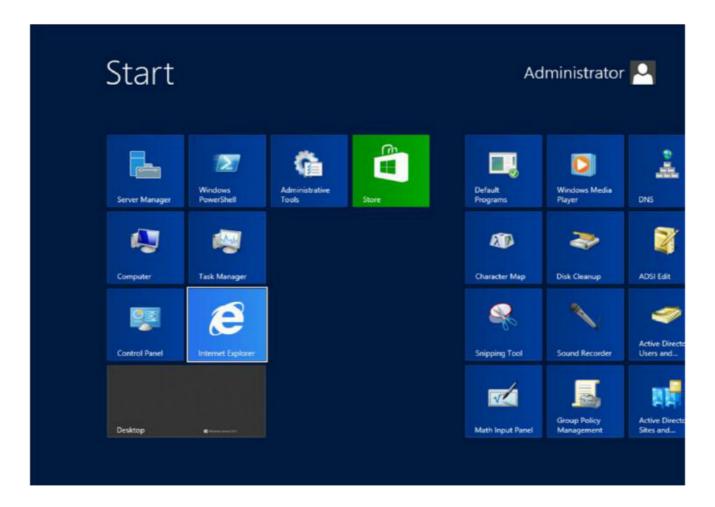


Steps:

Start



• Open Internet Explorer





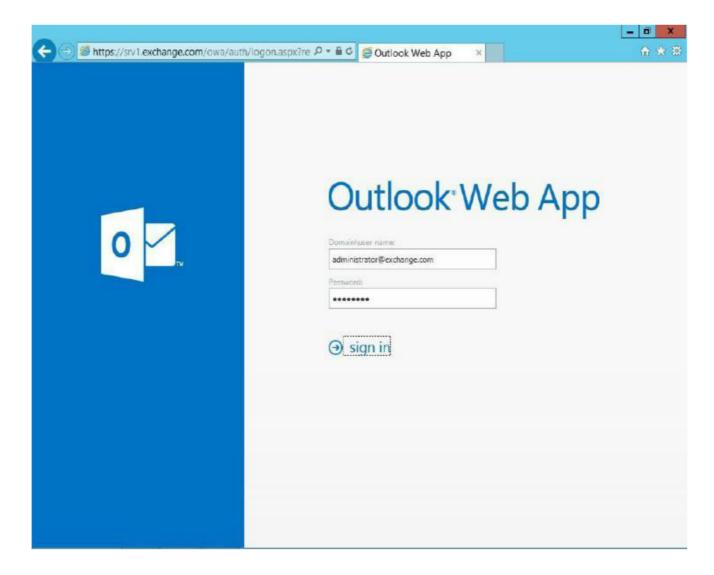


Enter the address https://FullyQualified Domain Name / Virtual Directory Name

(Ex: https://srv1.exchange.com/ecp)



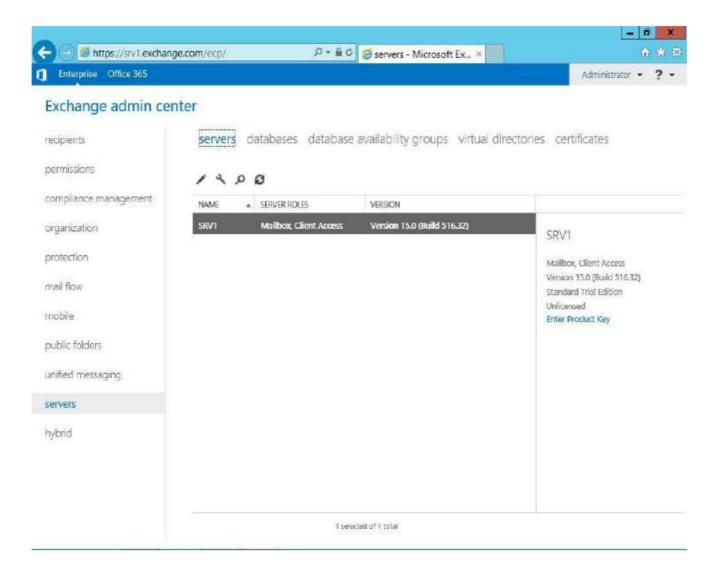
● Enter User Name and Password→click sign in



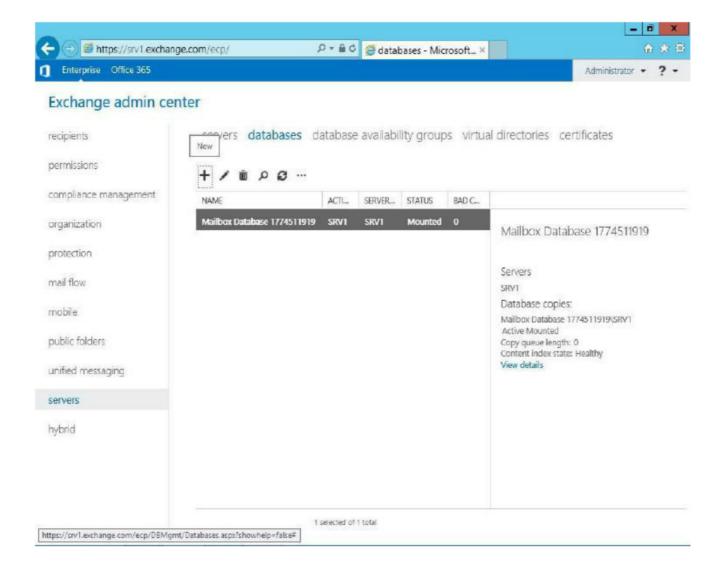




■ In Exchange Admin Center→select Servers



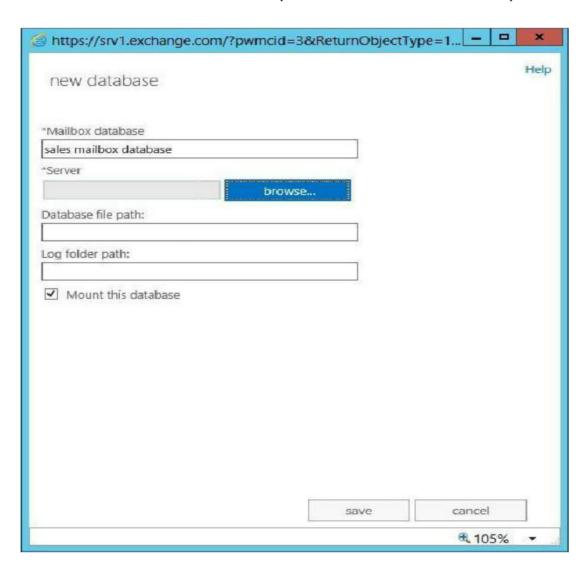
Select Databases tab→click New (+)



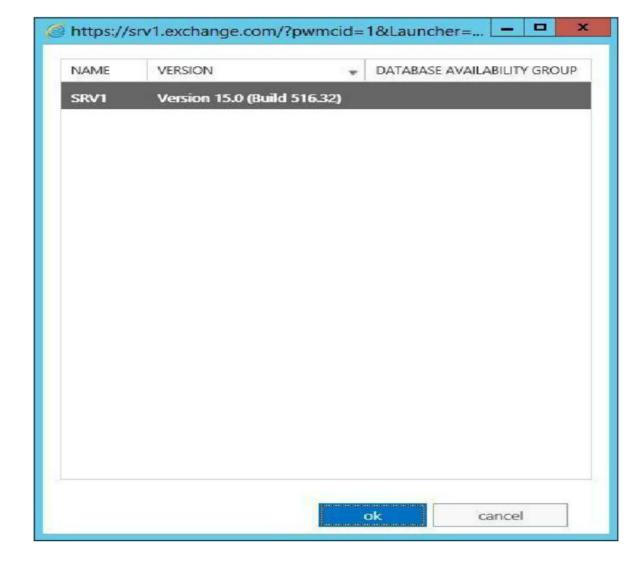




● Enter Mailbox Database Name (Ex: Sales Mailbox Database)→click Browse



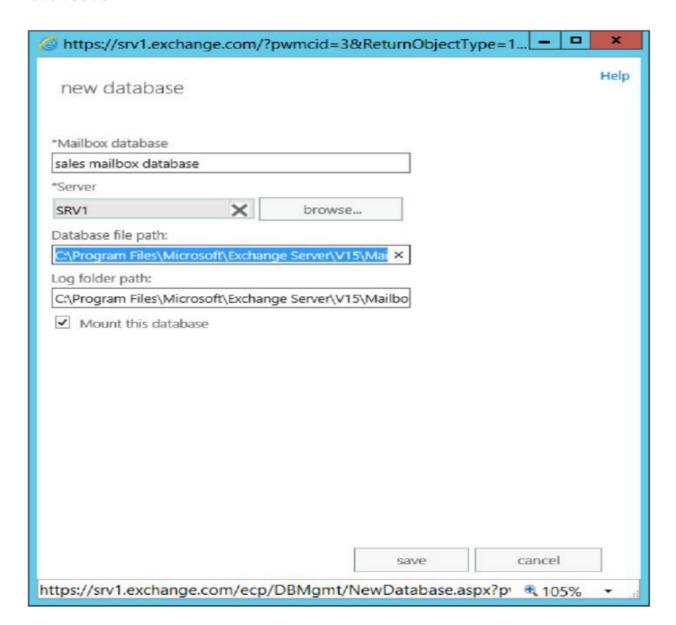
● Select **Server Name** (Ex: **SRV1**)→click **Ok**



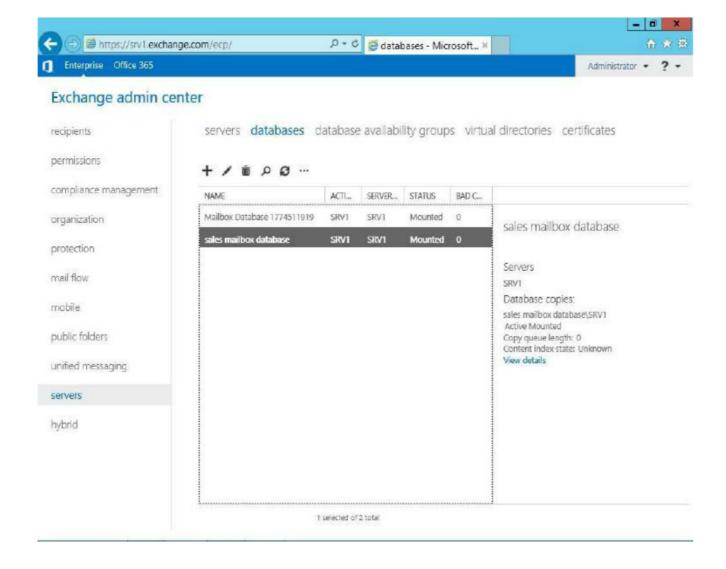




Click Save



Verify the new Sales Mailbox Database in List View







Lab – 21: Creating User Mailboxes in new Mailbox Database

Objective:

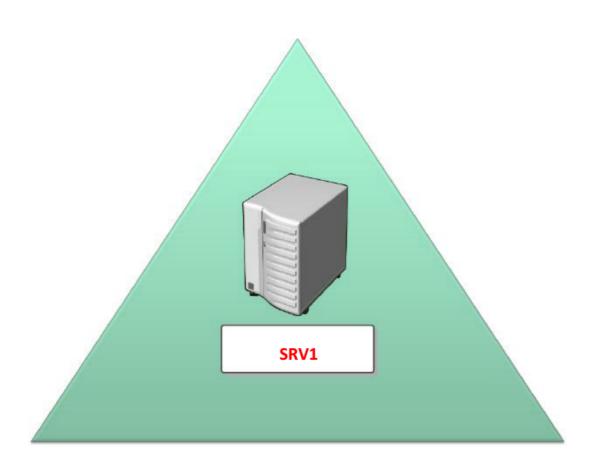
To create user mailboxes in different databases based on the department.

Pre-requisites:

Before working on this lab, you must have

 A computer running Windows 2012 Server Domain Controller with Exchange Server application installed.

Topology:



EXCHANGE.COM

SRV1

Domain Controller

IP Address 10.0.0.1

Subnet Mask 255.0.0.0

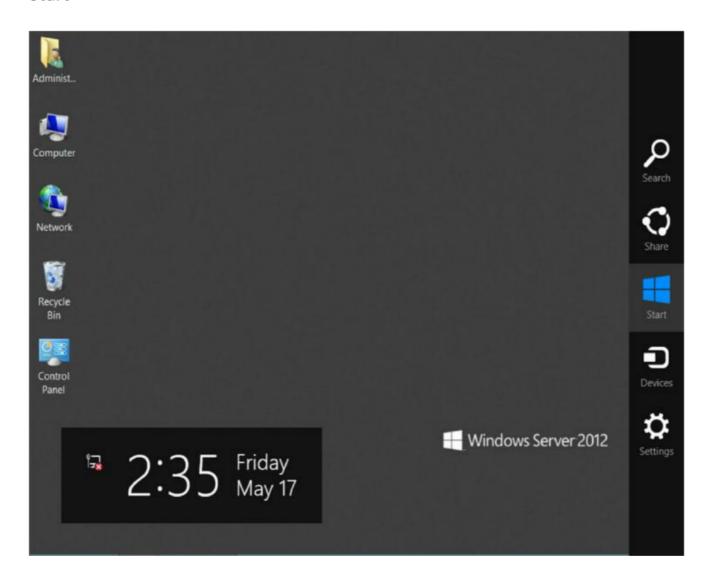
Preferred DNS 10.0.0.1



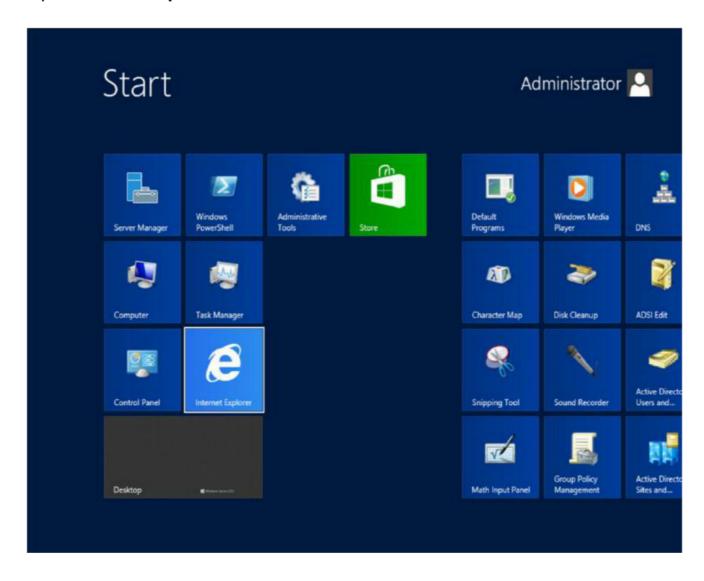


Steps:

Start



• Open Internet Explorer





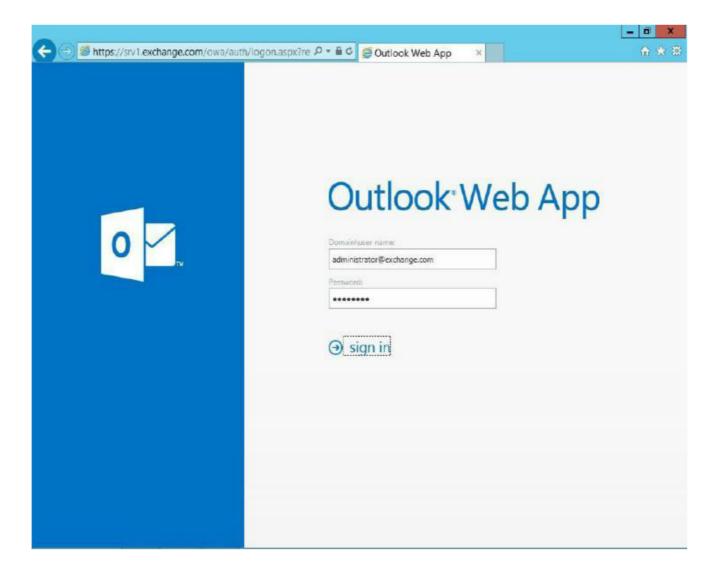


• Enter the address https://FullyQualified Domain Name / Virtual Directory Name

(Ex: https://srv1.exchange.com/ecp)



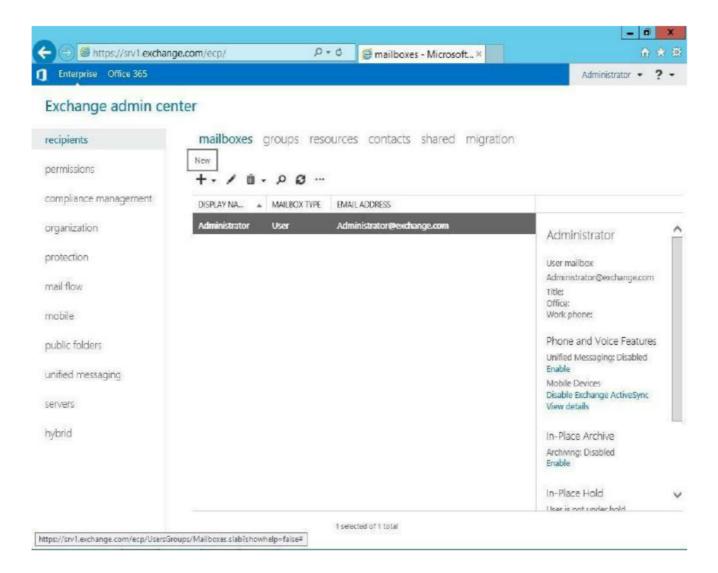
■ Enter User Name and Password→click sign in



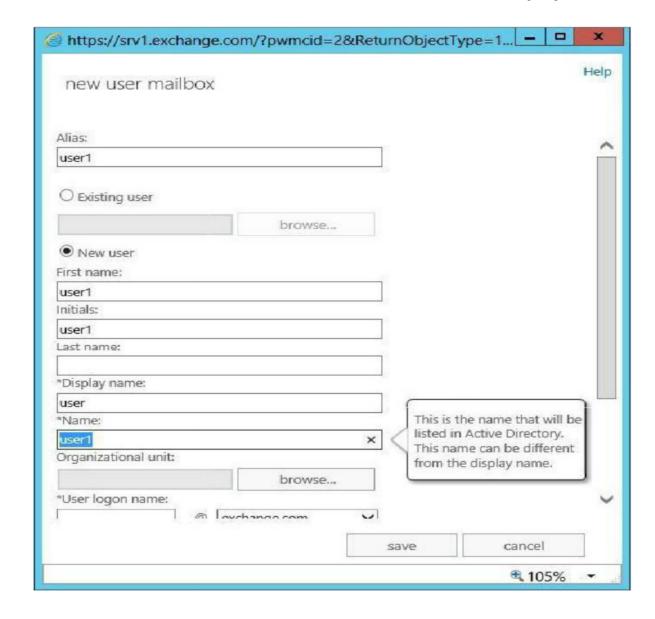




• In EAC→select Recipients→select Mailboxes tab→click Add (+)



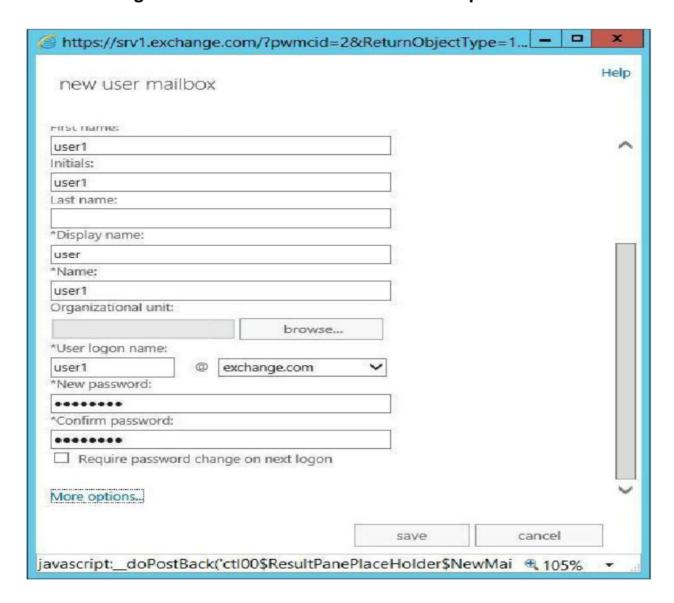
Enter Alias name→select New user→enter First name & Display name→scroll down



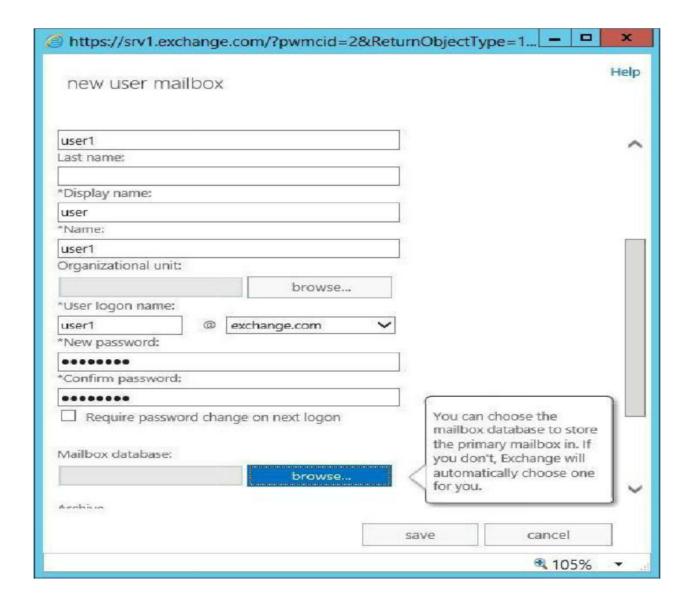




• Enter **User logon name** and **Password**→select **More options**



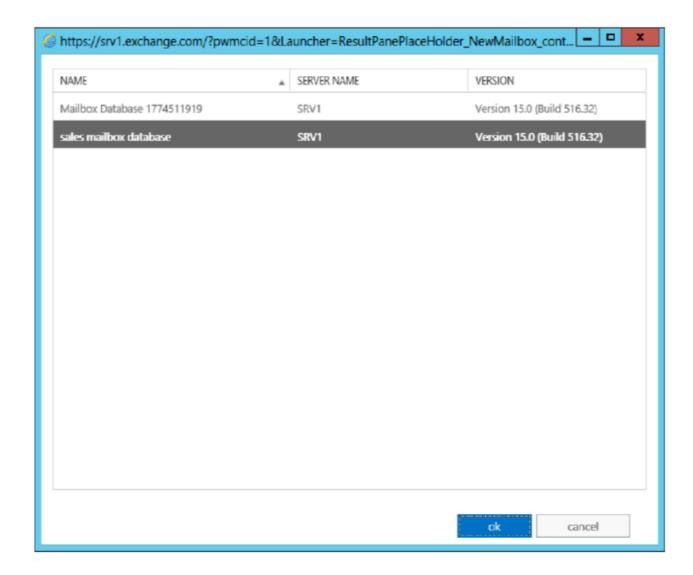
Click Browse



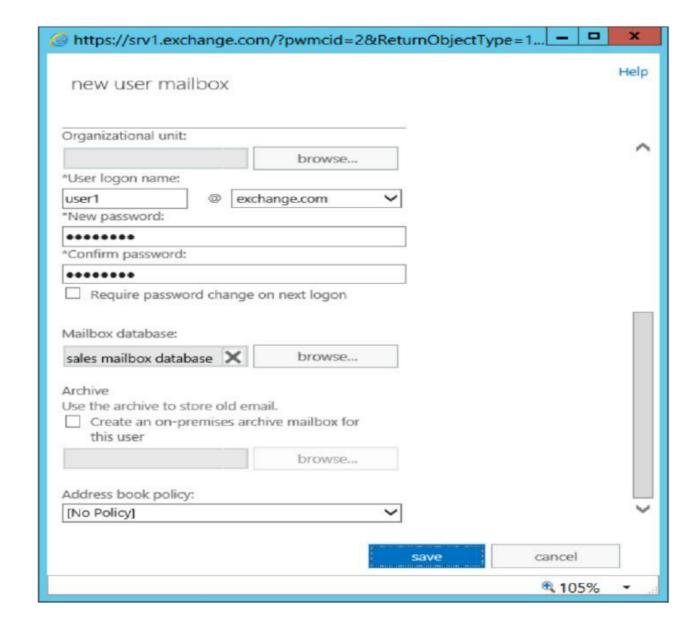




Select Sales Mailbox Database→click OK



Click Save

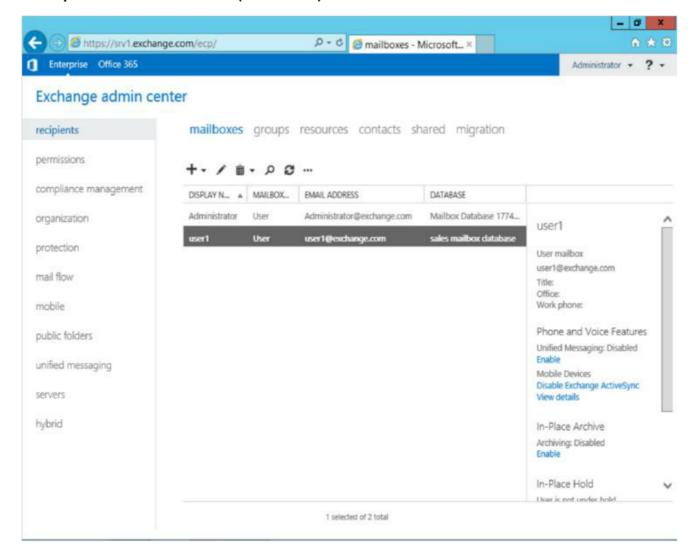






Verification:

• Verify the mailbox of user (Ex: user1) in Sales Mailbox Database







Lab – 22: Creating Migration Batch of User Mailboxes to Different Database

Objective:

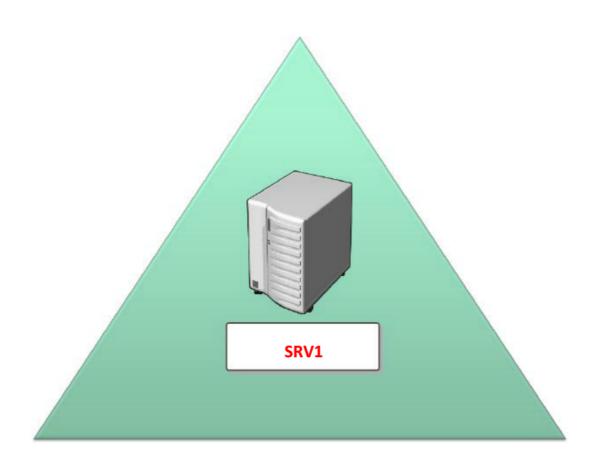
To move user mailbox from one database to another database

Pre-requisites:

Before working on this lab, you must have

 A computer running Windows 2012 Server Domain Controller with Exchange Server application installed.

Topology:



EXCHANGE.COM

SRV1

Domain Controller

IP Address 10.0.0.1

Subnet Mask 255.0.0.0

Preferred DNS 10.0.0.1



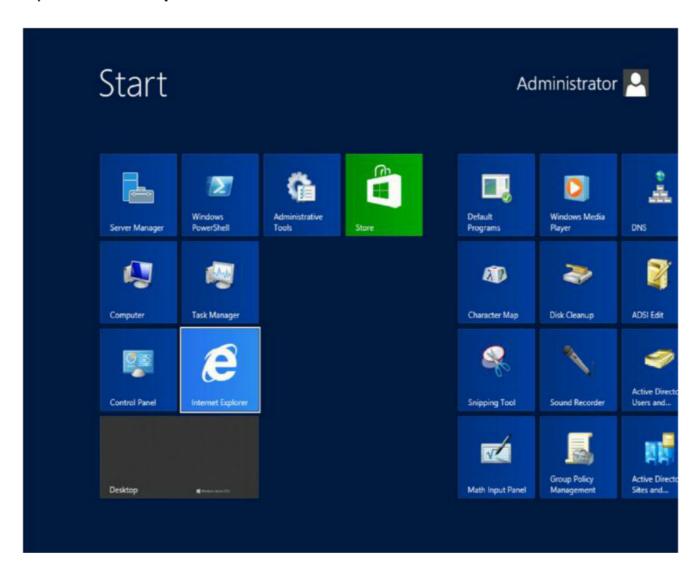


Steps:

Start



• Open Internet Explorer



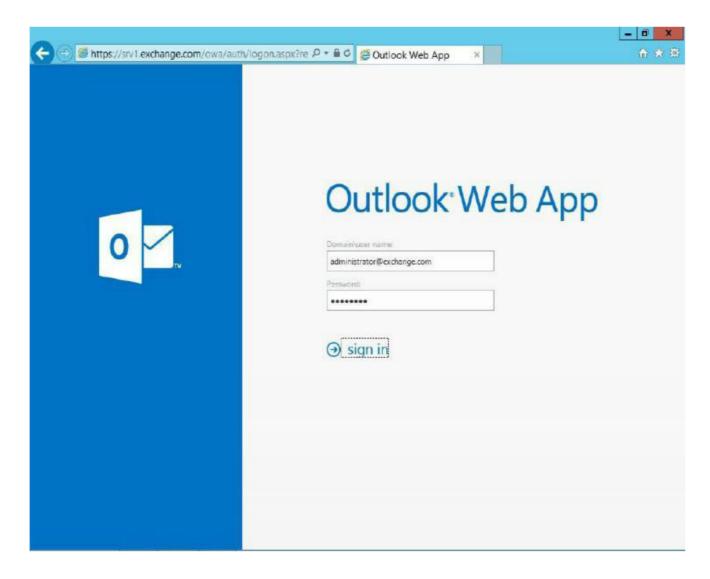


Enter the address https://FullyQualified Domain Name / Virtual Directory Name

(Ex: https://srv1.exchange.com/ecp)



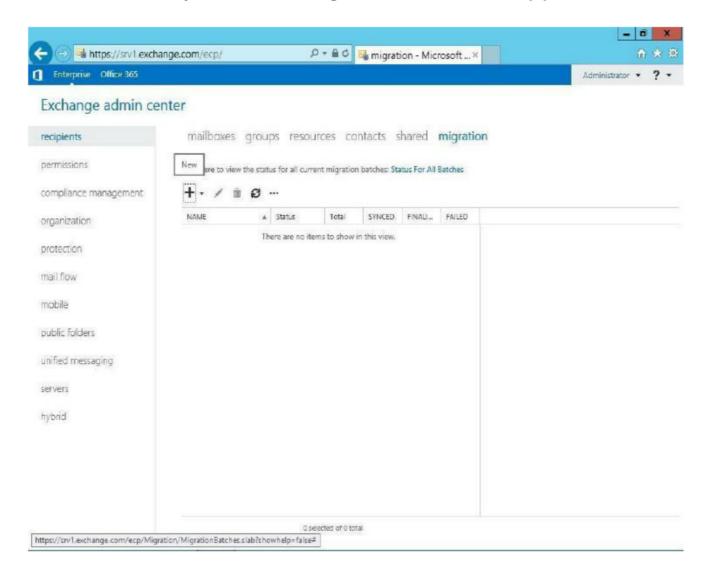
Enter User Name and Password→click sign in



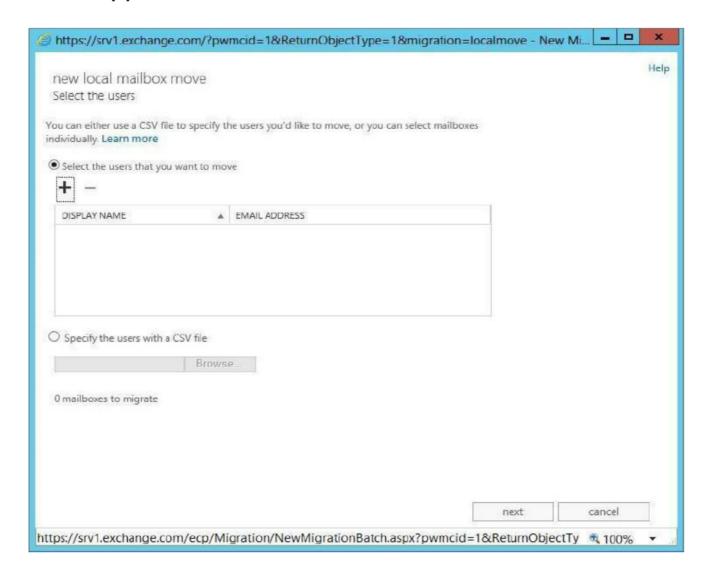




• In EAC→select Recipients→select Migration Tab→click New (+)



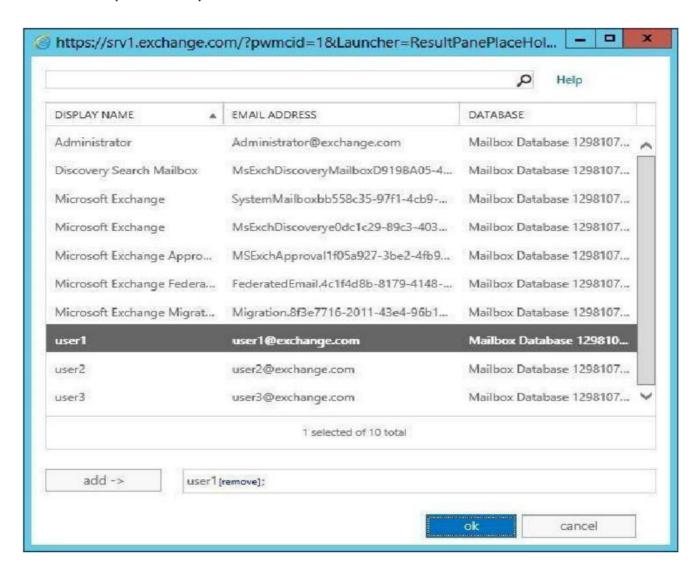
• Click Add (+)



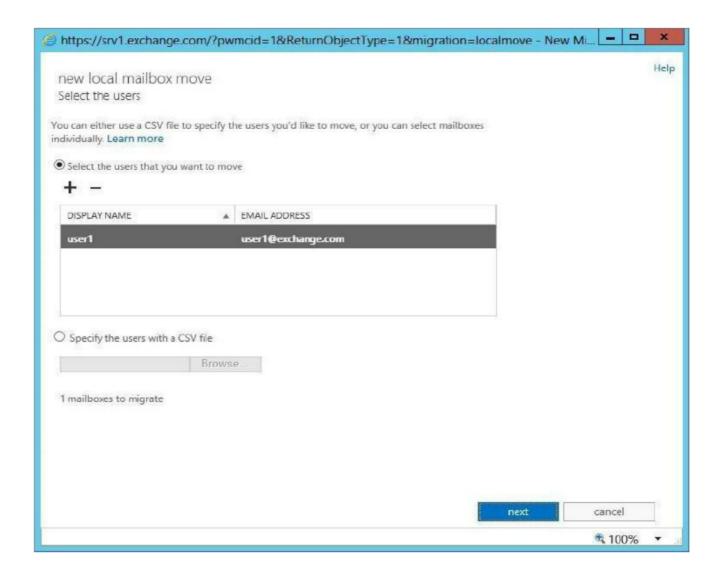




Select user (Ex:-User1)→click Add→Click Ok



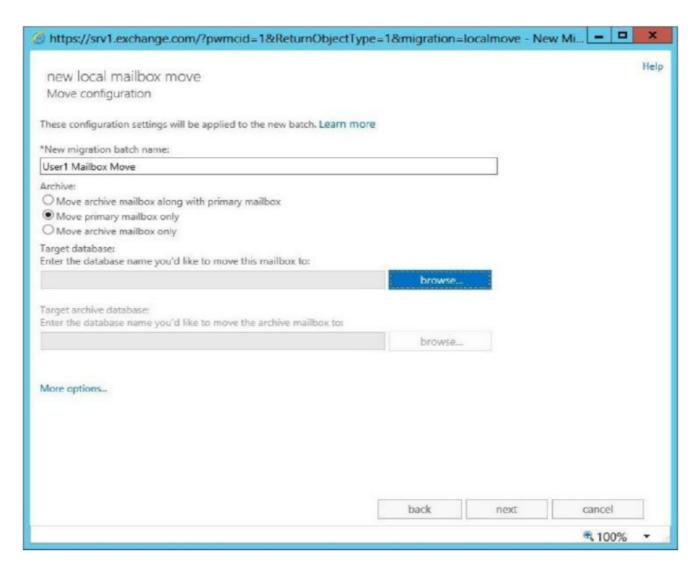
Click Next



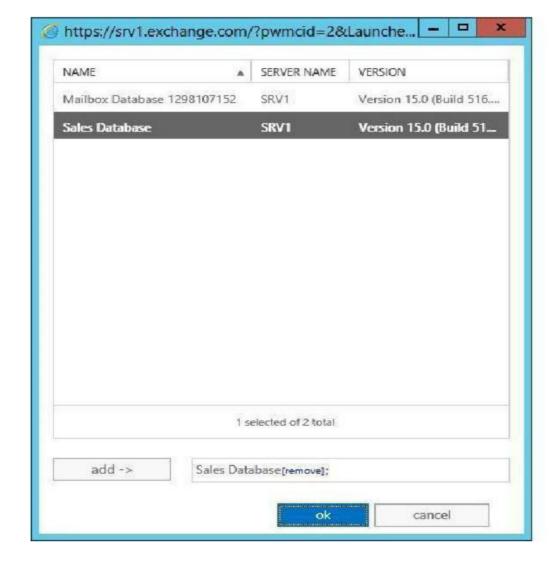




Enter name (Ex:-User1 Mailbox Move)→select Move Primary Mailbox Only→click Browse



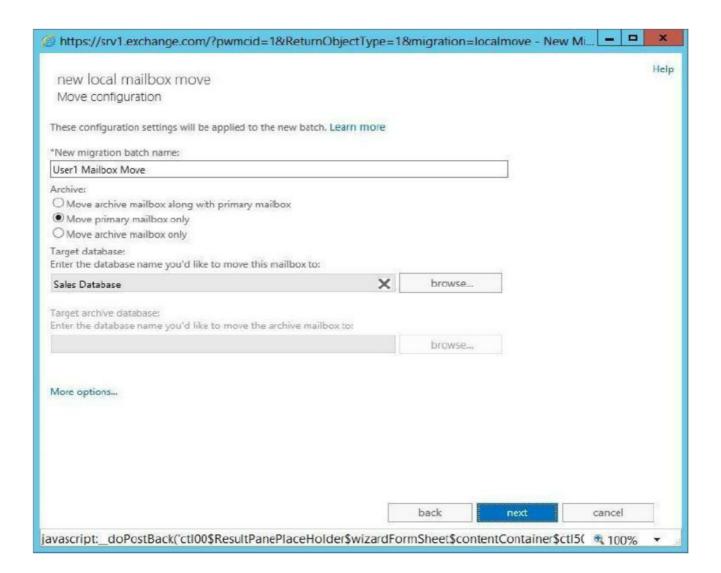
Select Sales Database→click Add→click Ok



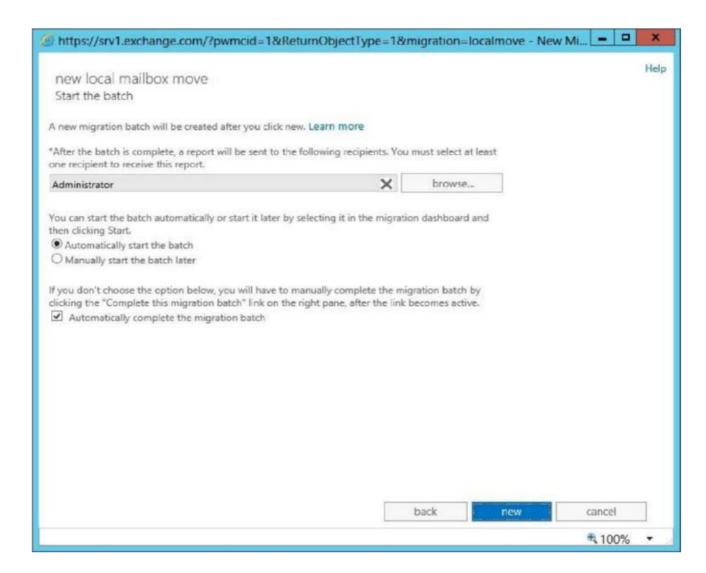




Click Next



Click New

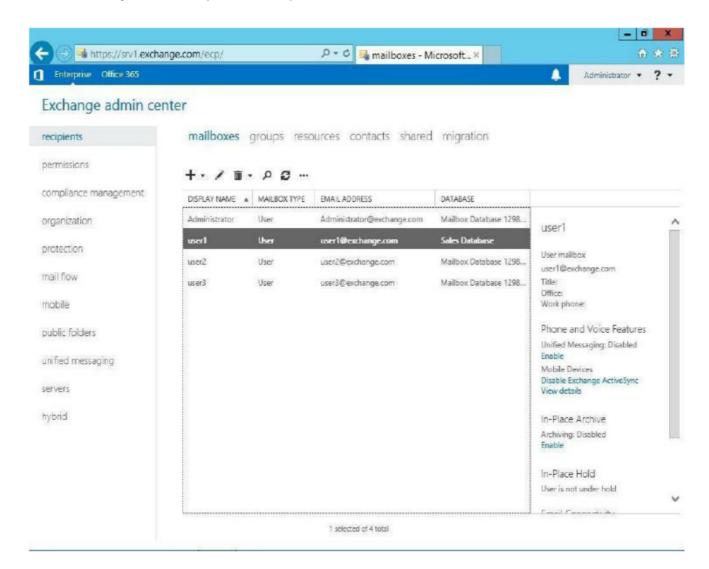






Verification:

1. In EAC verify the user (Ex:-User1) under Sales Database







Lab – 23: Enabling Archive Mailbox to Mailbox Enabled User

Objective:

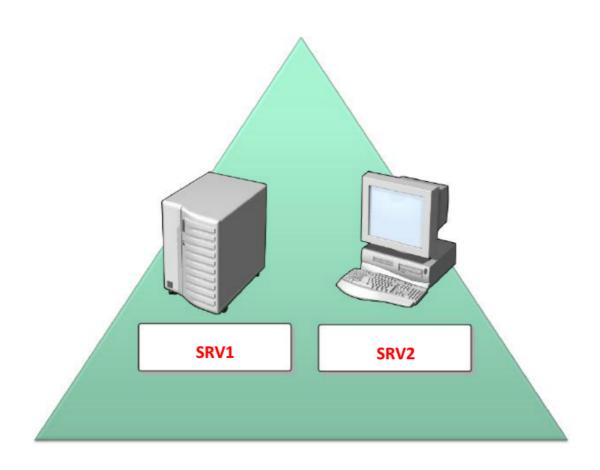
To provide additional mailbox for a user

Pre-requisites:

Before working on this lab, you must have

- A computer running Windows 2012 Server Domain Controller with Exchange Server application installed.
- A computer running Windows 7.

Topology:



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SRV1		SRV2		
Domain Controller		Client		
IP Address	10.0.0.1	0.0.1 IP Address		
Subnet Mask	255.0.0.0	Subnet Mask	255.0.0.0	
Preferred DNS	10.0.0.1	Preferred DNS	10.0.0.1	



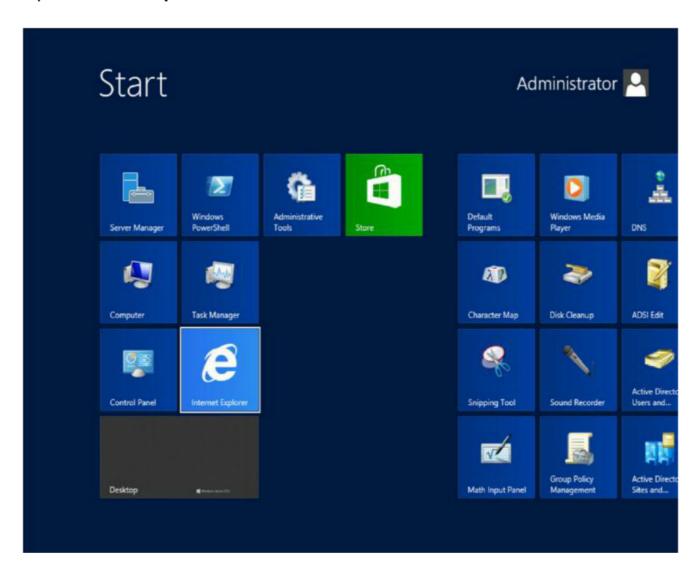


Steps:

Start



• Open Internet Explorer





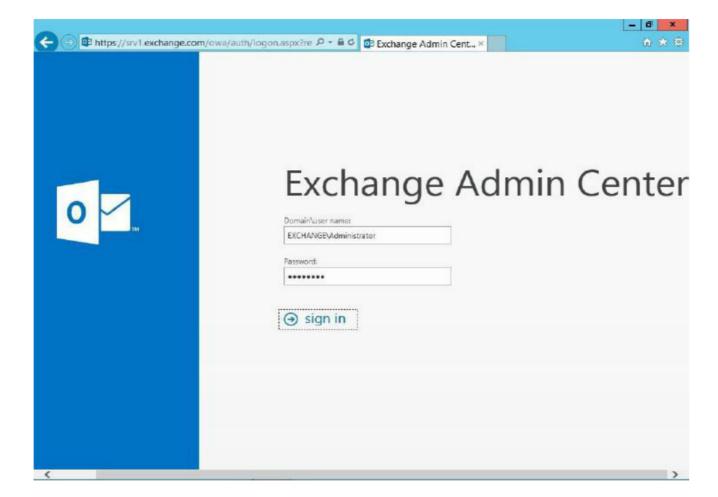


Enter the address https://FullyQualified Domain Name / Virtual Directory Name

(Ex: https://srv1.exchange.com/ecp)



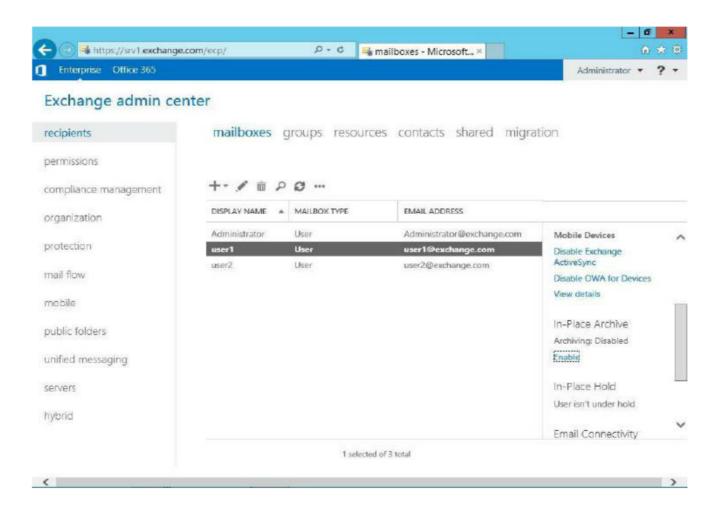
● Enter User Name and Password→click sign in



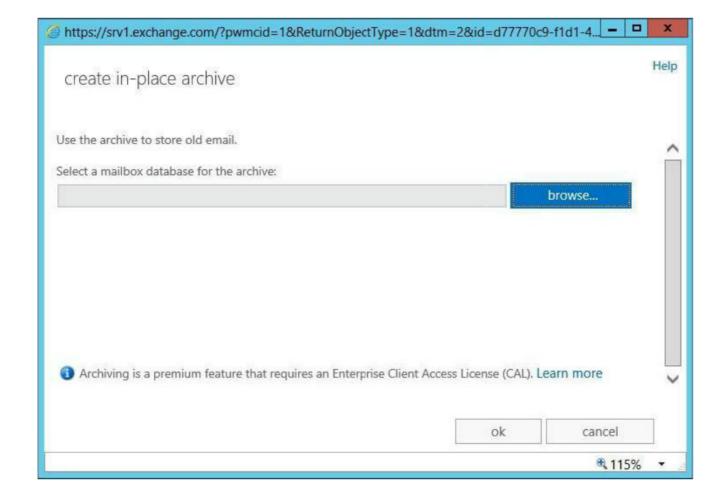




In EAC→select Recipients→select user (Ex:-User1)→click Enable under In-Place Archiving in
 Details Pane



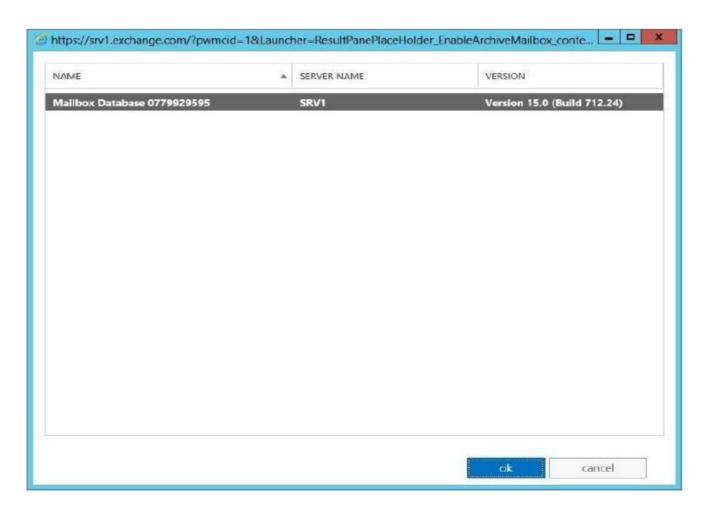
Click Browse



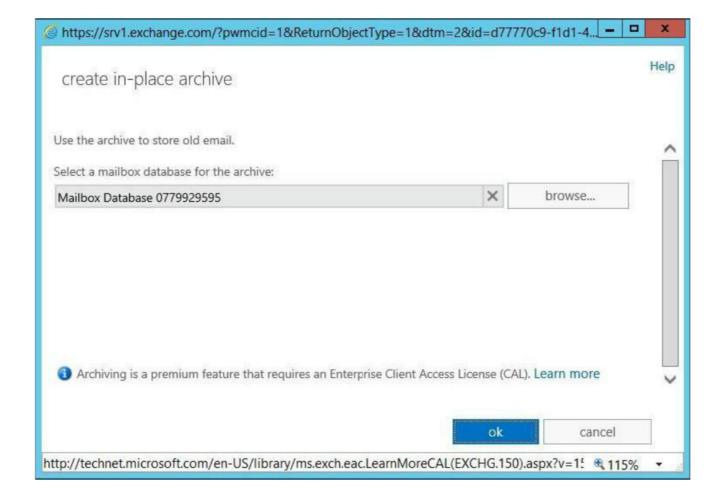




Select Database→click Ok



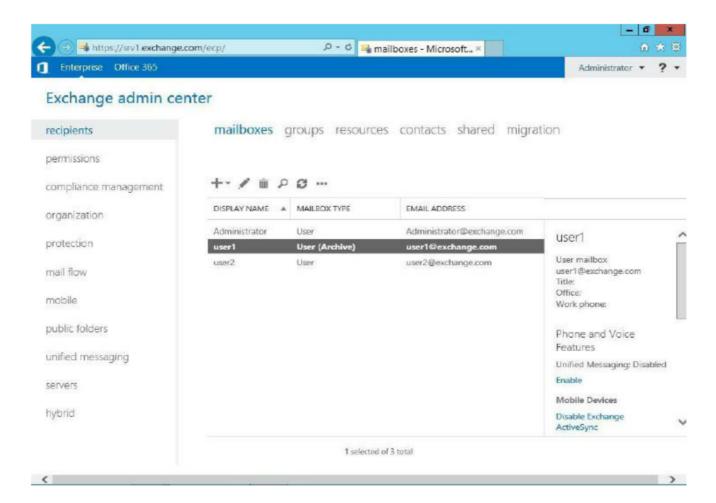
• Click Ok





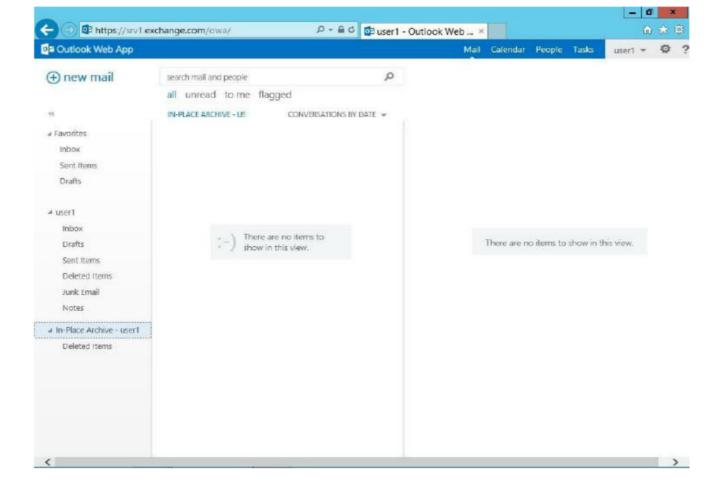


In EAC verify Enabled Archive Mailbox for User1



Verification:

Login as User-1 in Outlook Web App & verify Enabled Archive Mailbox







Lab – 24: Creating Public Folder Mailbox and Public Folder

Objective:

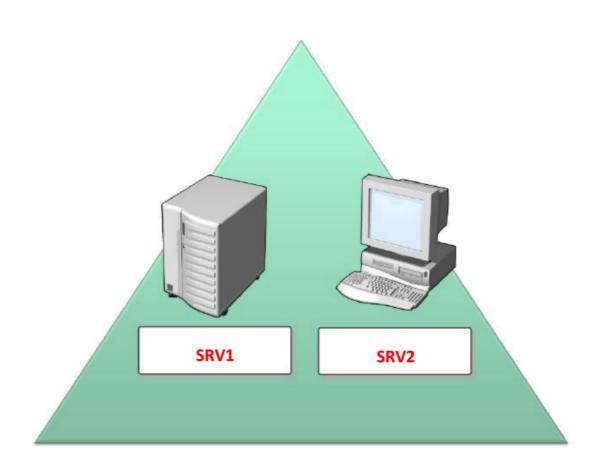
To manage Public Folder Mailbox and Public Folders for sharing resources

Pre-requisites:

Before working on this lab, you must have

- A computer running Windows 2012 Server Domain Controller with Exchange Server application installed.
- A computer running Windows 7 with MS Office 2013 installed.

Topology:



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SRV1		SRV2		
Domain Controller		Client		
IP Address	10.0.0.1	IP Address		
Subnet Mask	255.0.0.0	Subnet Mask	255.0.0.0	
Preferred DNS	10.0.0.1	Preferred DNS	10.0.0.1	



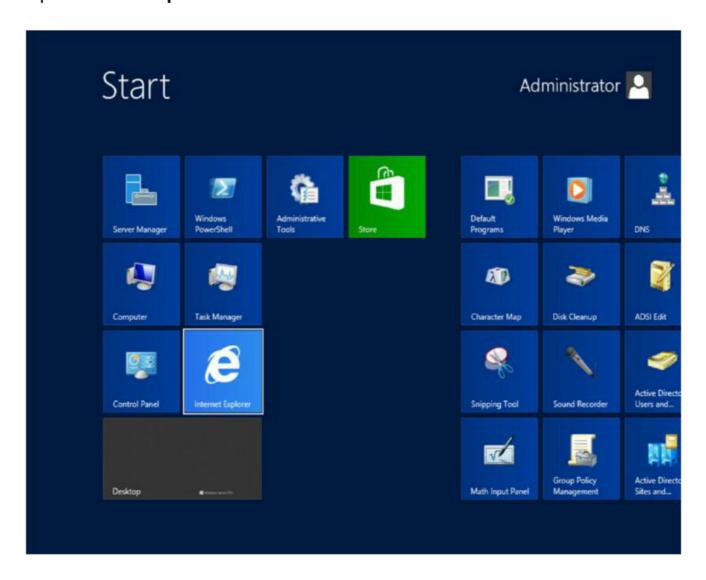


Steps:

Start



• Open Internet Explorer





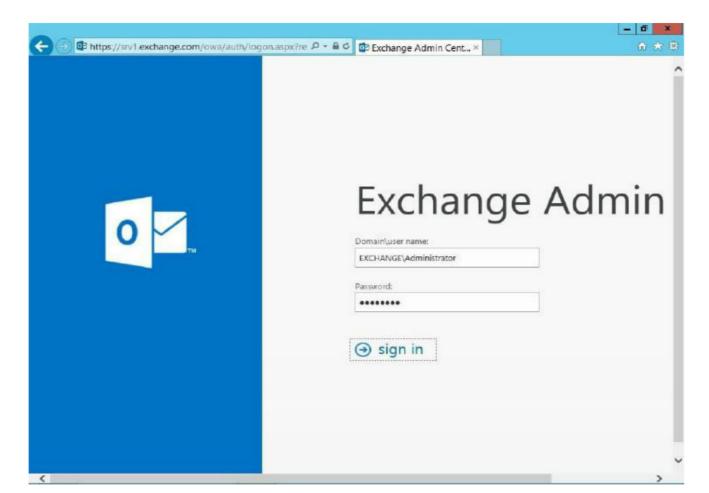


Enter the address https://FullyQualified Domain Name / Virtual Directory Name

(Ex: https://srv1.exchange.com/ecp)



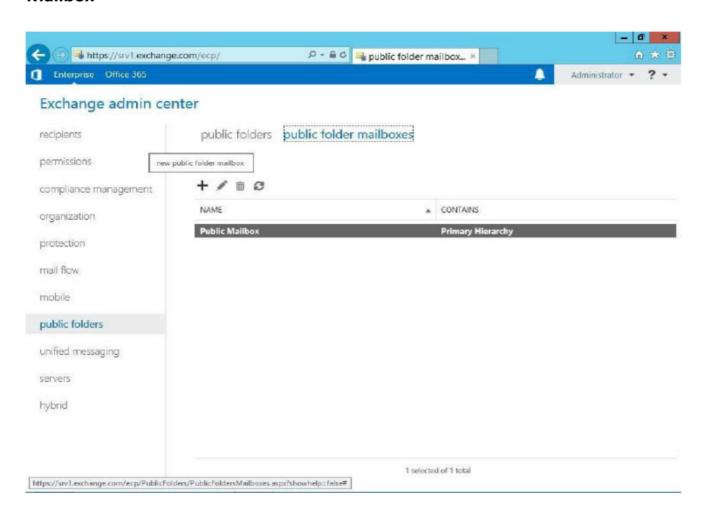
Enter User Name and Password→click sign in



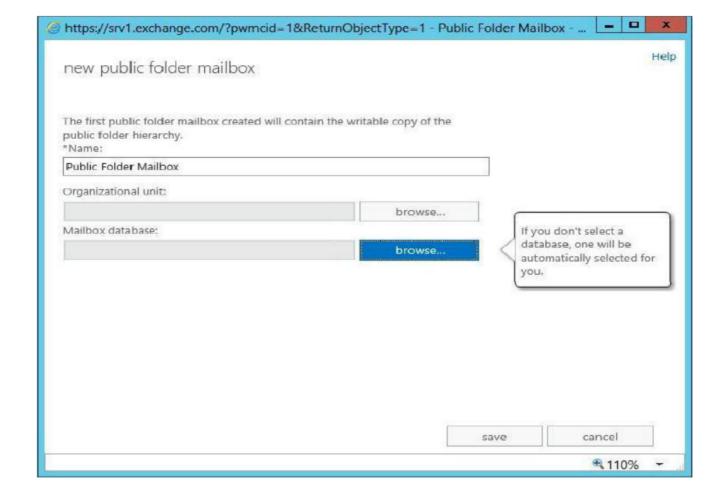




In EAC→select Public Folders→select Public Folder Mailbox→click New Public Folder
 Mailbox



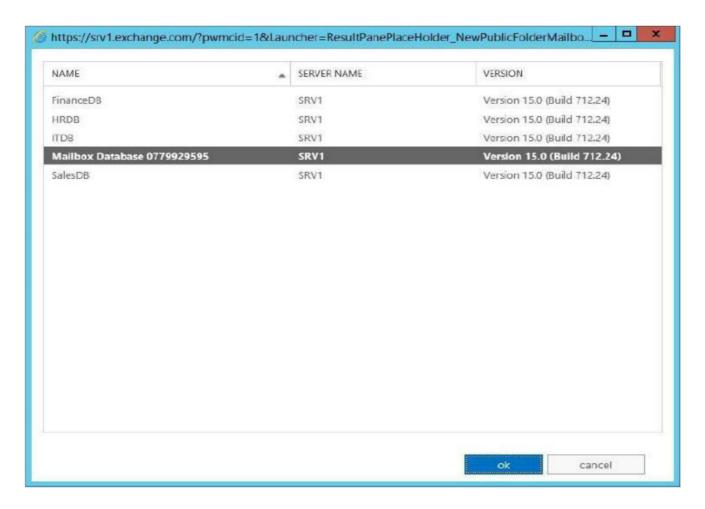
● Enter Public Folder Mailbox Name (Ex:-Public Folder Mailbox)→click Browse



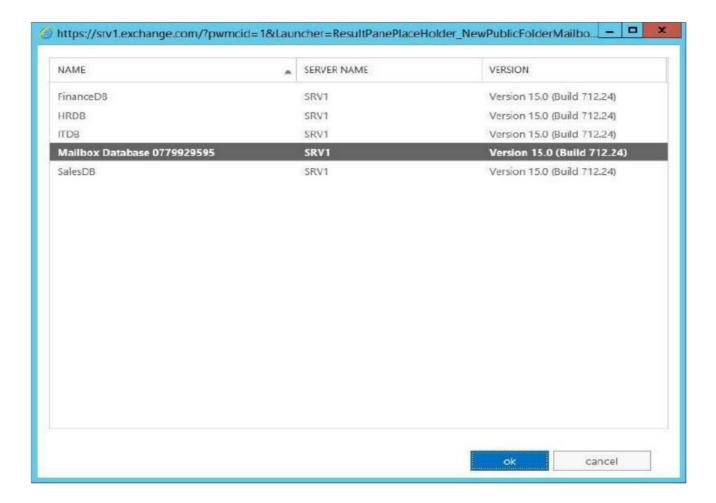




Select Database (Ex:-Mailbox Database)→click Ok



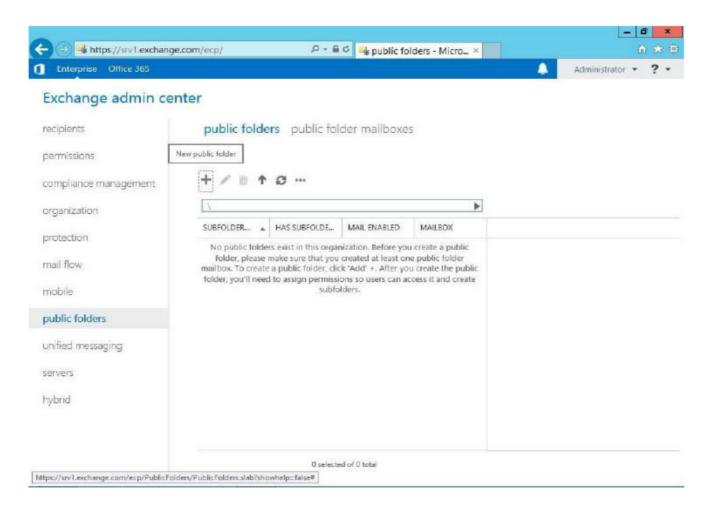
Click Save



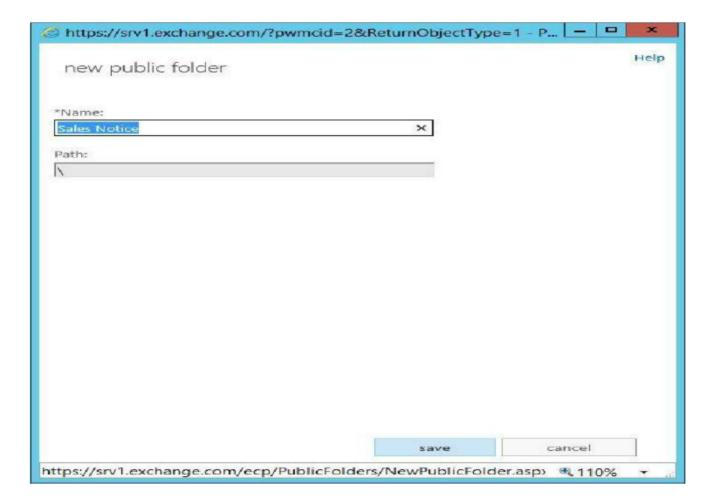




Select Public Folders Tab→click New Public Folder



• Enter **Public Folder** name (Ex:-**Sales Notice**)→click **Save**

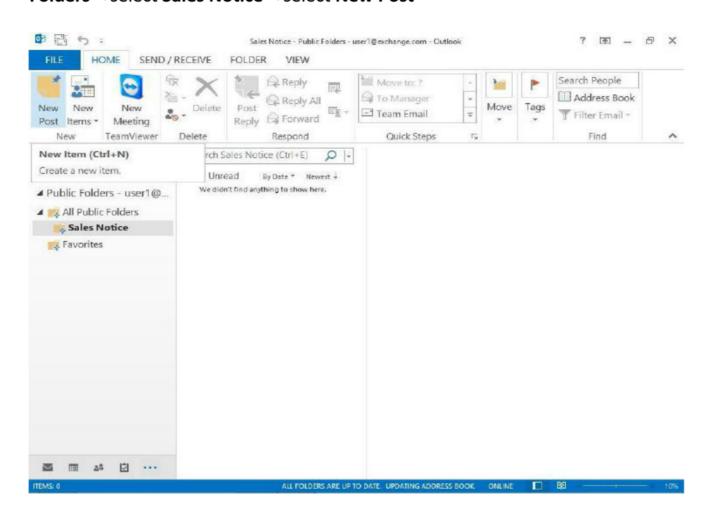




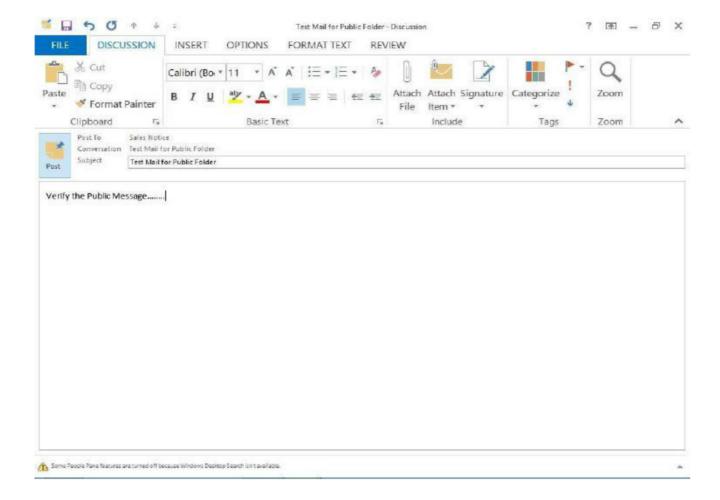


Verification:

Login as user (Ex:-User1) in MS Office Outlook→expand Public Folders, All Public
 Folders→select Sales Notice→select New Post



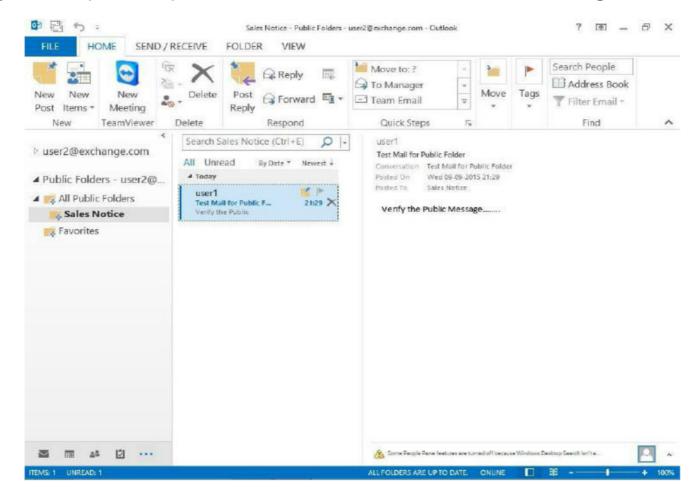
• Enter **Subject** and **Message**→click **Post**







Login as user (Ex:-User2) in MS Office Outlook→access Public Folder Message







Lab – 25: Enabling Malware Filter

Objective:

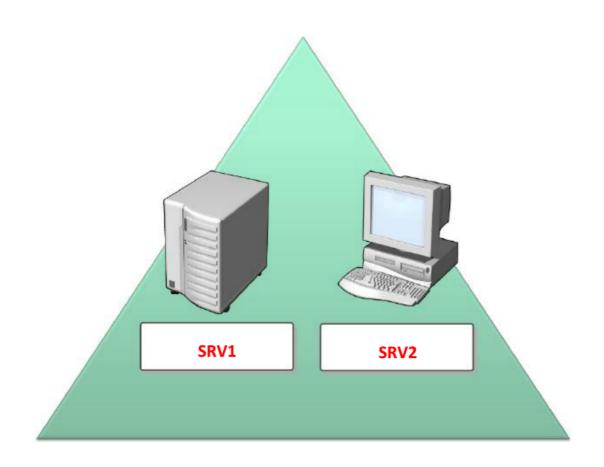
To prevent malicious emails from reaching Exchange users

Pre-requisites:

Before working on this lab, you must have

- A computer running Windows 2012 Server Domain Controller with Exchange Server application installed.
- A computer running Windows 7 with MS Office 2013 installed.

Topology:



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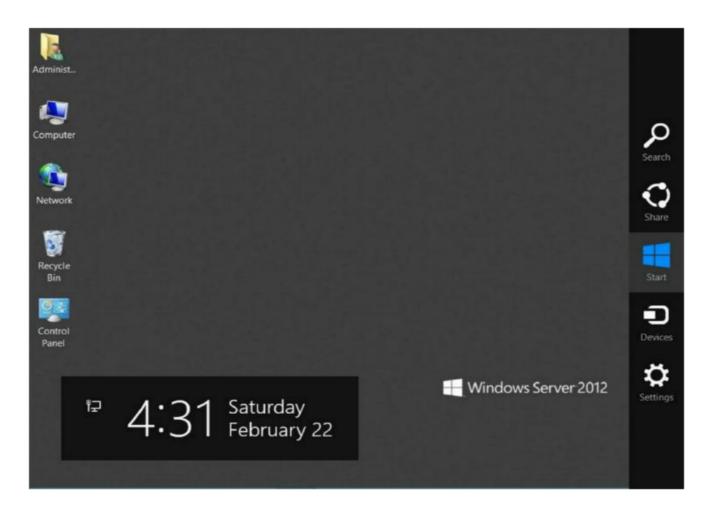
SRV1		SRV2		
Domain Controller		Client		
IP Address	10.0.0.1	IP Address	10.0.0.2	
Subnet Mask	255.0.0.0	Subnet Mask	255.0.0.0	
Preferred DNS	10.0.0.1	Preferred DNS	10.0.0.1	



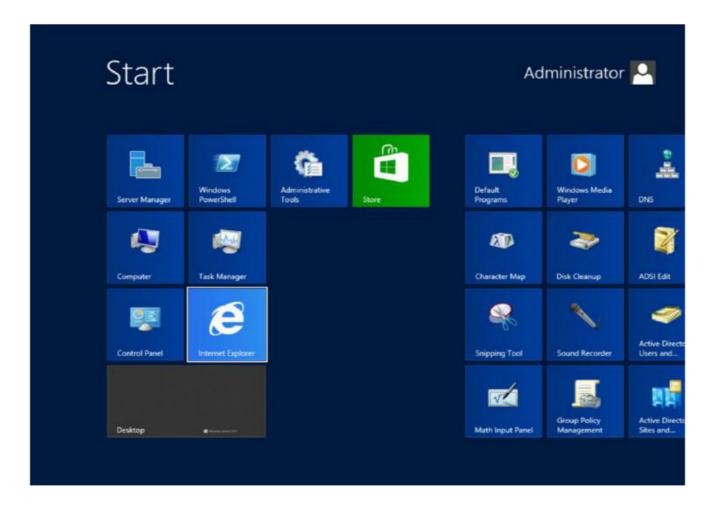


Steps:

Start



• Open Internet Explorer





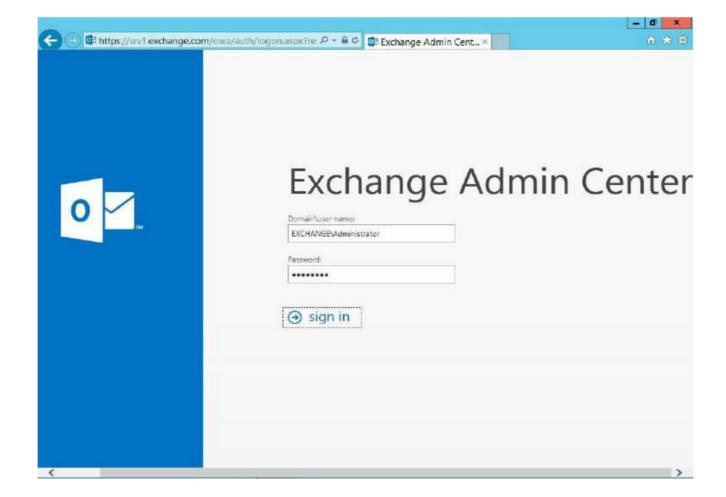


• Enter the address https://FullyQualified Domain Name / Virtual Directory Name

(Ex: https://srv1.exchange.com/ecp)



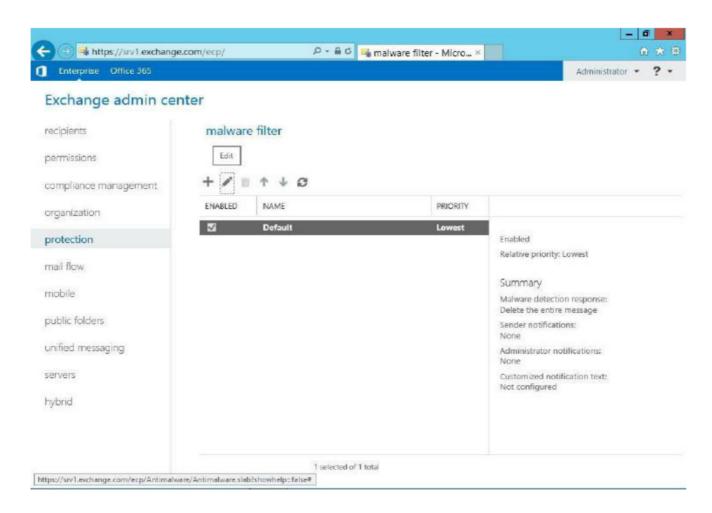
Enter User Name and Password→click sign in



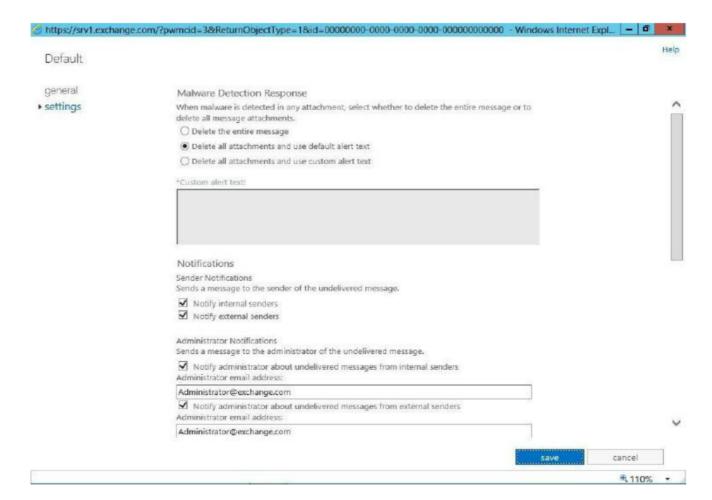




• In EAC→select Protection→click Edit



Select settings—click delete attachments—check Notify Internal & External Senders—enter
 email address (Ex:-administrator@exchange.com)—click Save

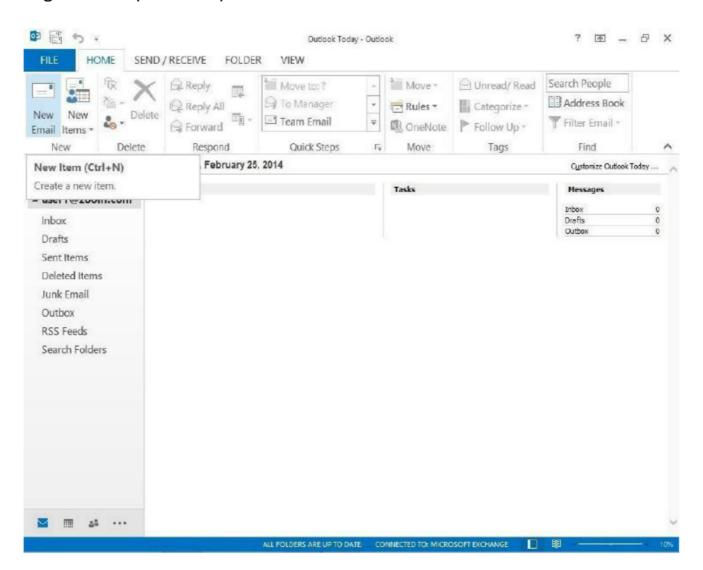




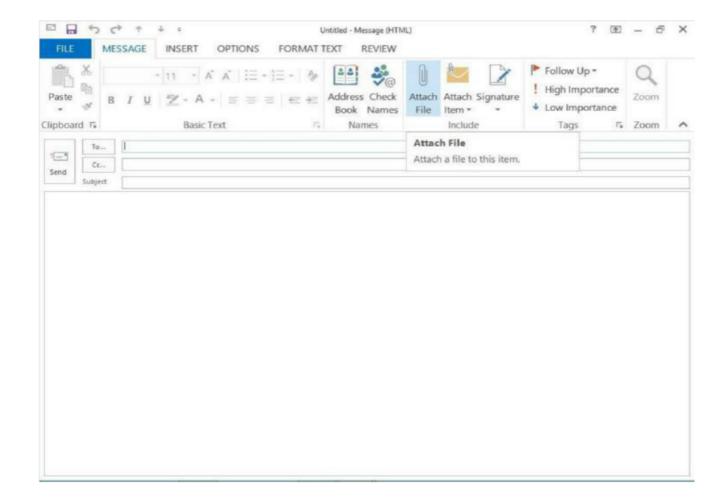


Verification:

• Login as user (Ex:-User1) in MS Office Outlook→click New Mail



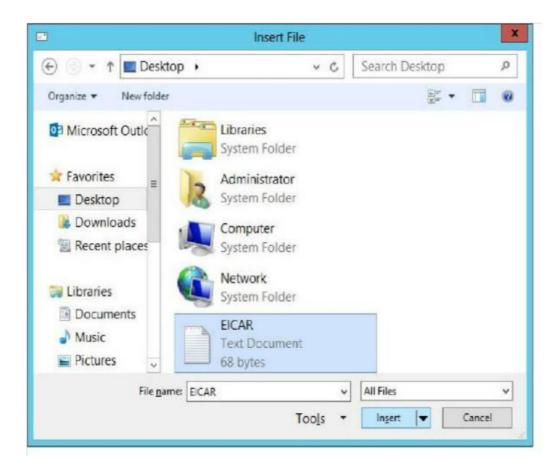
Click Attach File



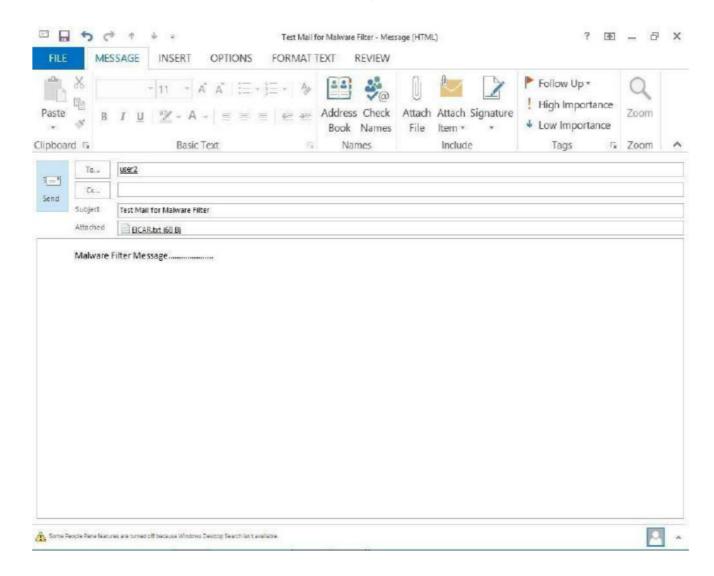




Select EICAR file→click Insert



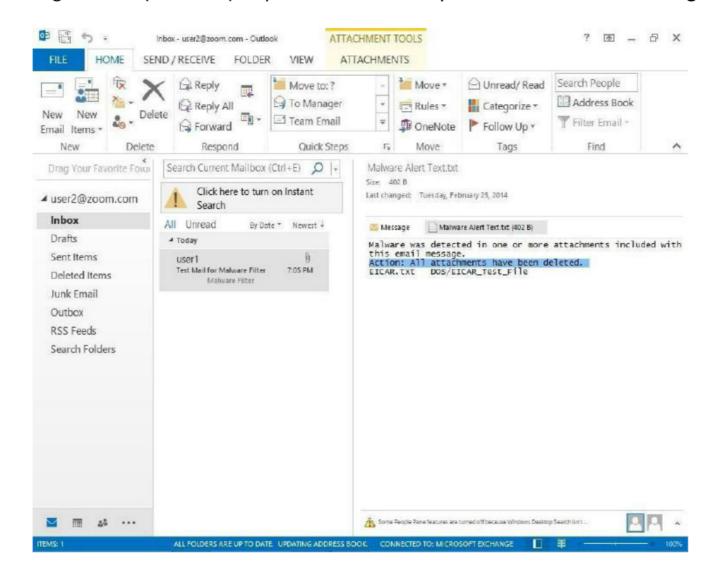
Enter user in To tab (Ex:-User2)→enter subject→click Send







• Login as user (Ex:-User2)→open EICAR file & verify the notification from Exchange







Lab – 26: Configuring High Availability for Exchange 2013

Objective:

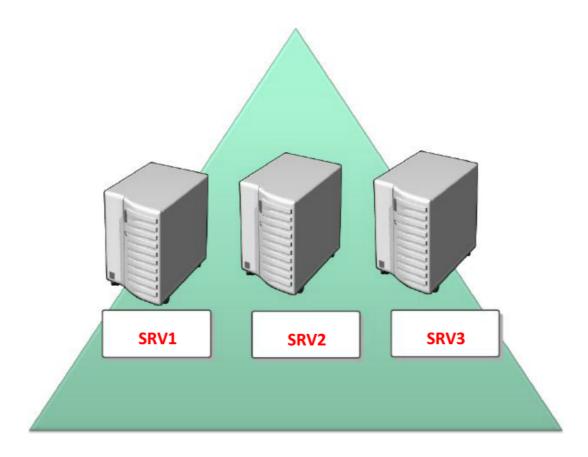
To configure High Availability Services for Exchange Server 2013, so that mail service is available 100% of the time

Pre-requisites:

Before working on this lab, you must have

- A computer running Windows 2012 Server Domain Controller with Client Access Server installed.
- Two computers running Windows 2012 Server Member Servers with Mailbox Servers installed.





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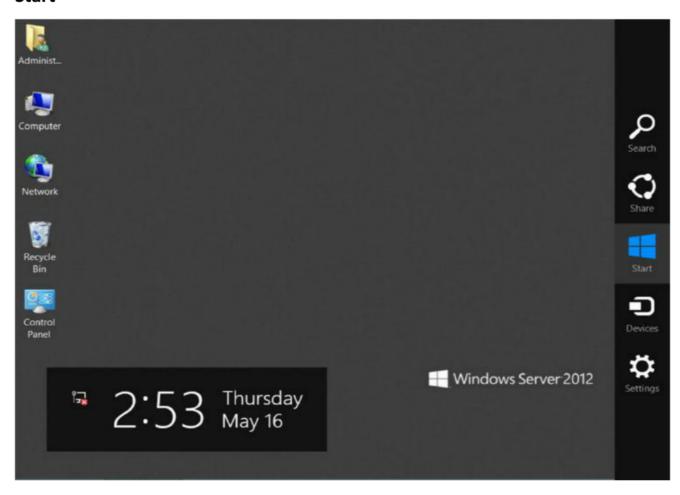
	SRV1		SRV2		SRV3	
Domain Controller		Member Server		Member Server		
	IP Address	10.0.0.1	IP Address	10.0.0.2	IP Address	10.0.0.3
	Subnet Mask	255.0.0.0	Subnet Mask	255.0.0.0	Subnet Mask	255.0.0.0
	Preferred DNS	10.0.0.1	Preferred DNS	10.0.0.1	Preferred DNS	10.0.0.1



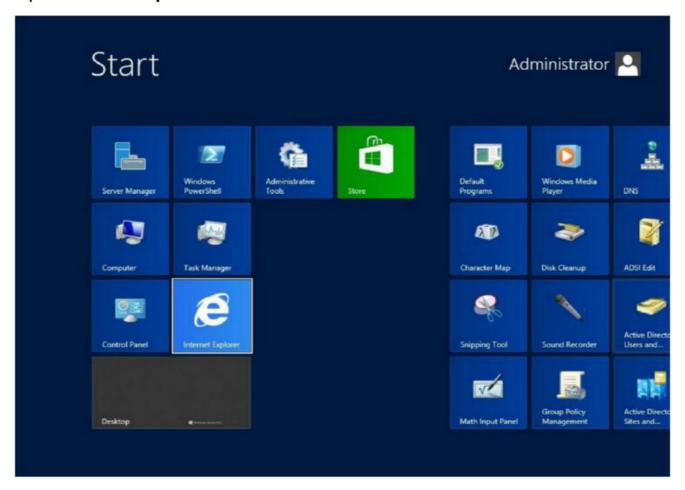


Steps: Creating Database Availability Group

Start



• Open Internet Explorer



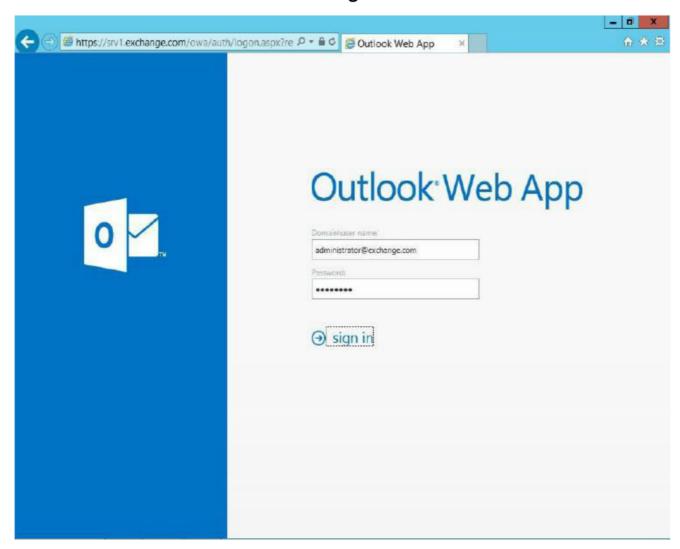




Enter the address https://FullyQualified Domain Name / Virtual Directory Name
 (Ex: https://srv1.exchange.com/ecp)



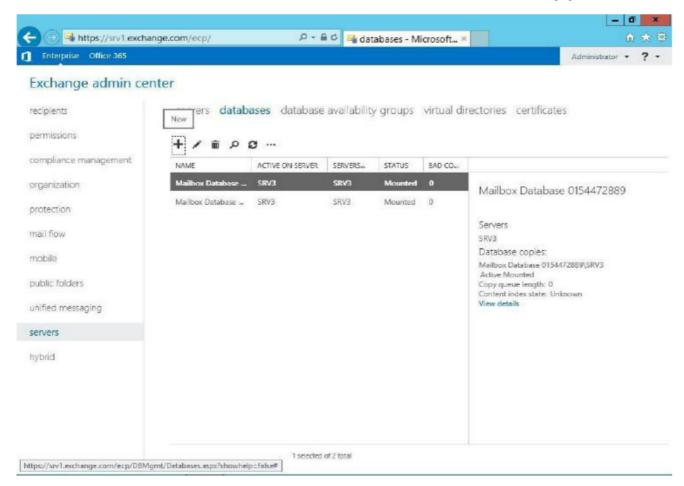
Enter User Name and Password→click sign in



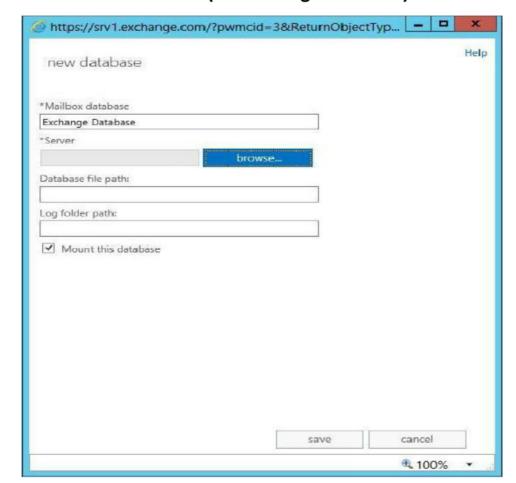




• In EAC→Click Servers Feature→select Databases Tab→click New(+)



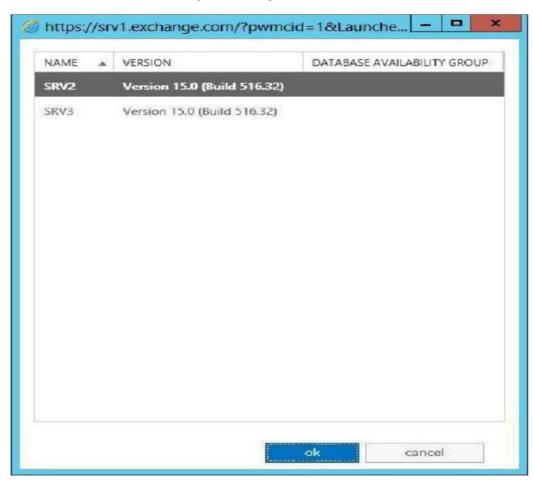
• Enter Database Name (Ex: Exchange Database)→click Browse



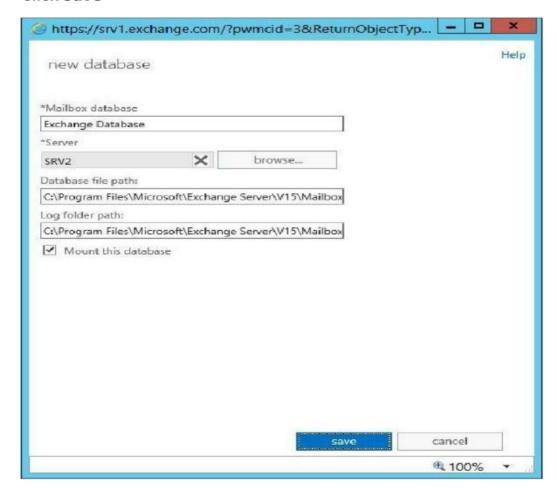




• Select Mailbox Server (Ex:SRV2)→click Ok



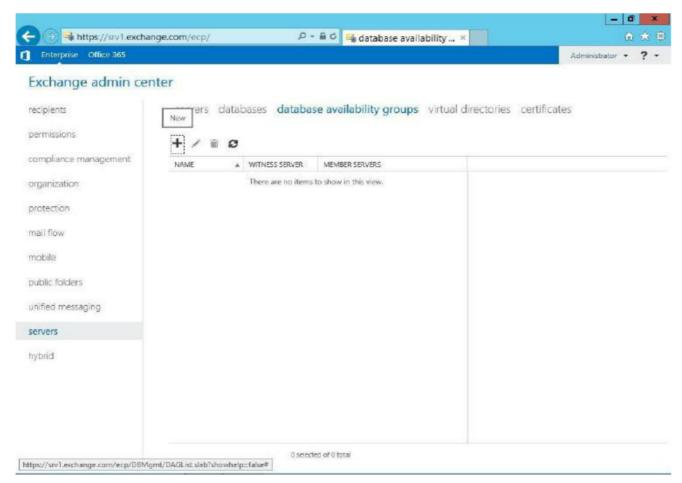
Click Save



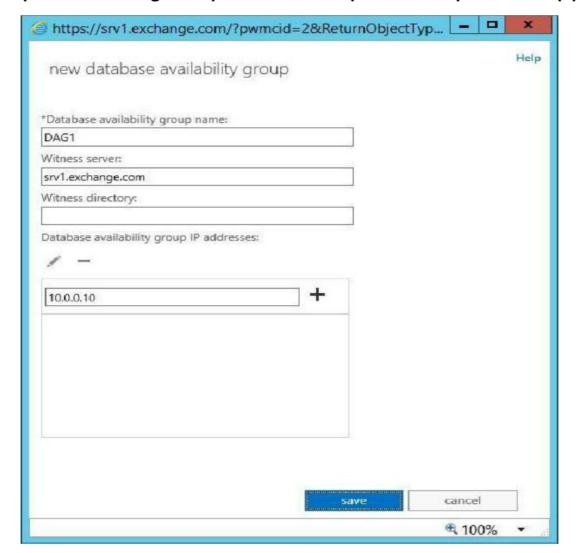




Select Database Availability Groups Tab→click New



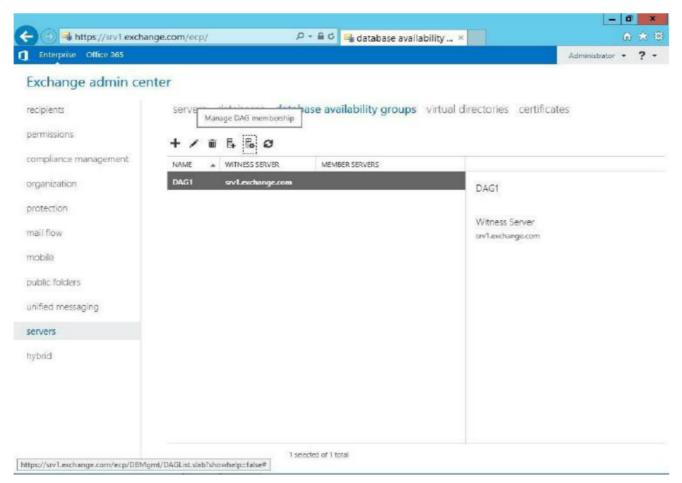
Enter DAG Name (Ex:DAG1)→enter Witness Server Name
 (Ex:srv1.exchange.com)→enter DAG IP (Ex:10.0.0.10)→click Add(+)→click Save



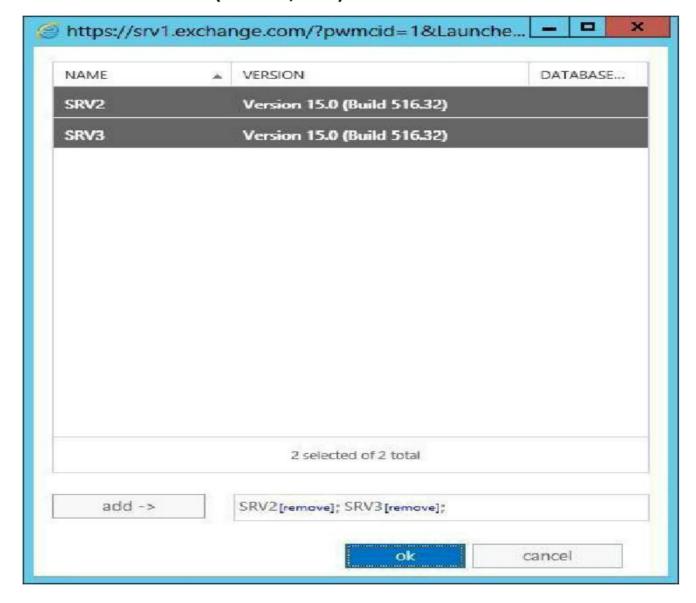




• Click Manage DAG Membership



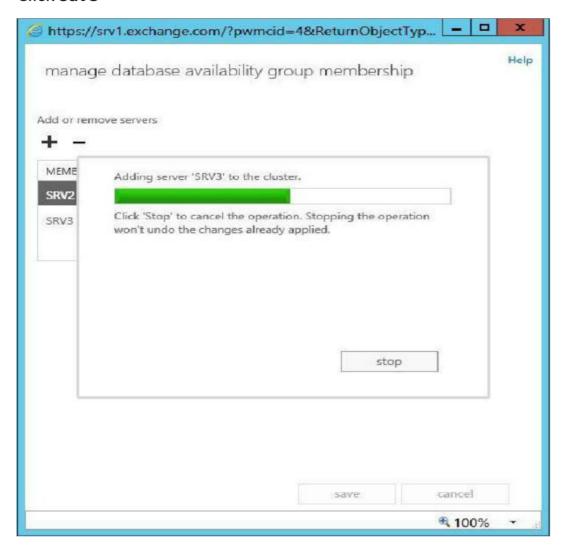
Select Mailbox Servers (EX:SRV2,SRV3)→click Add→click Ok



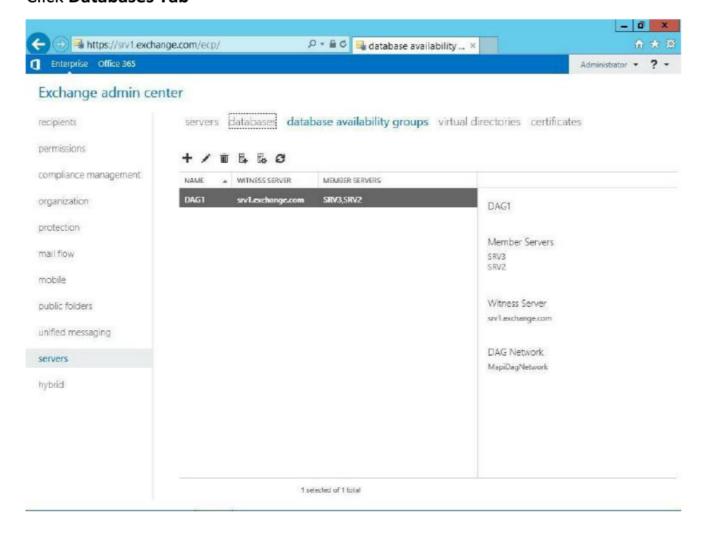




Click Save



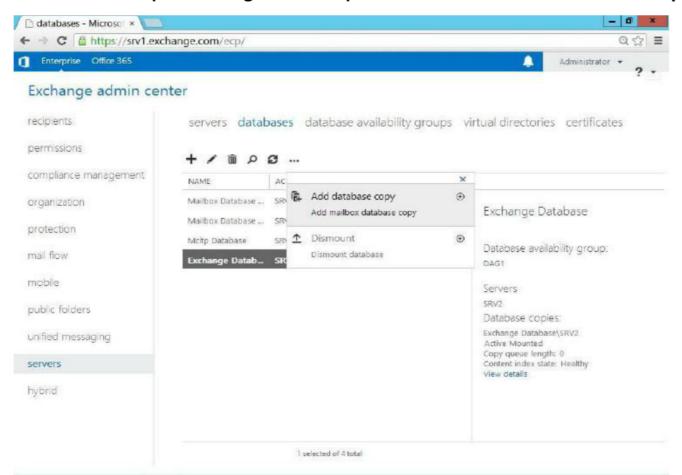
• Click Databases Tab



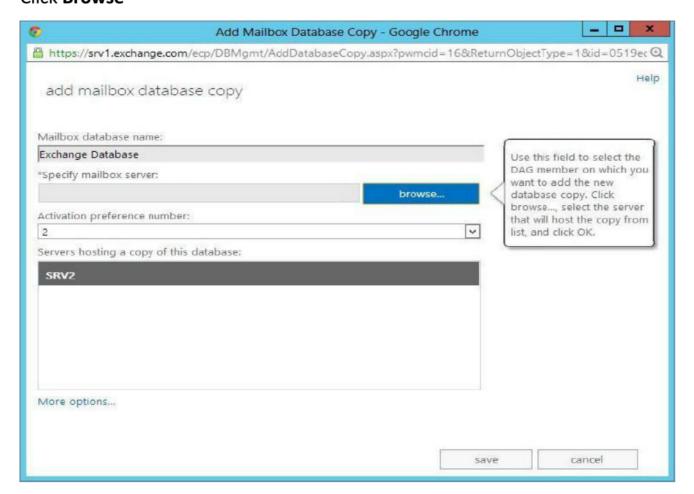




Select Database (Ex: Exchange Database)→click More→select Add Database Copy



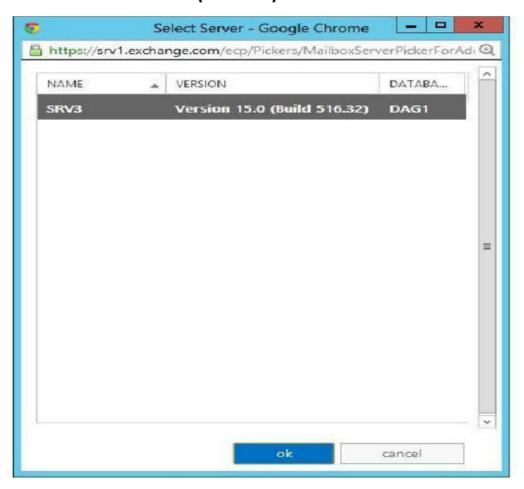
Click Browse



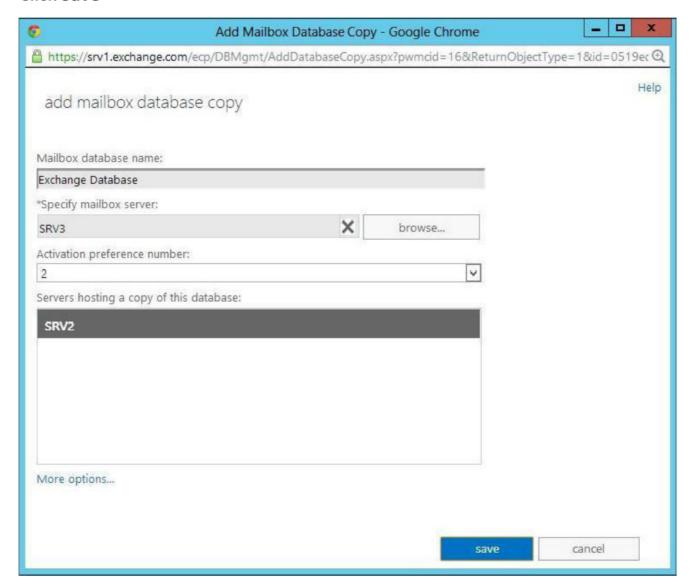




Select Mailbox Server (EX:SRV3)→click Ok



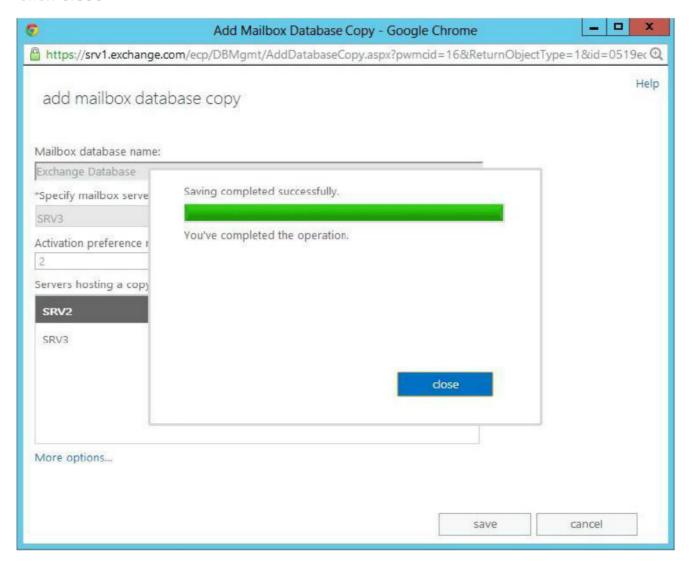
Click Save





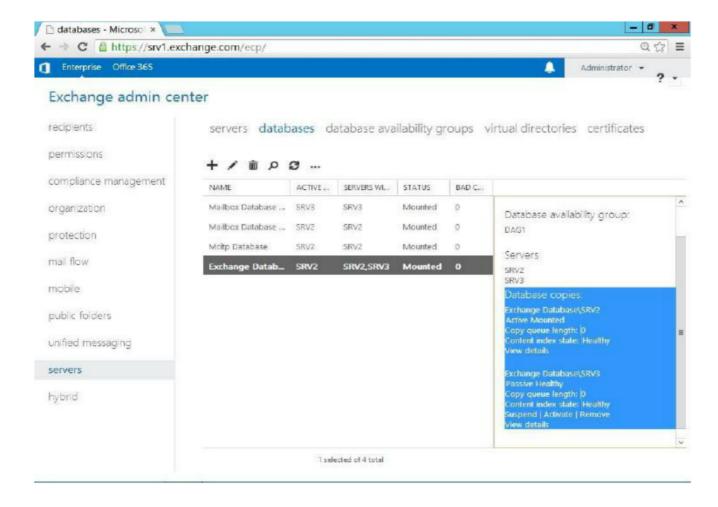


Click Close



Verification:

 Verify the Active and Passive Copies of Exchange Database in Details Pane (EX:SRV2,SRV3)





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Duration: 2 Weeks | 4 Hrs Per Day

Batches: (Contact the Counselors for the next available batch)

Fees: 2,500/-+ 14% Service Tax

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Fees: ₹ 2,500/-+ 14% Service Tax

(Pre requisite is CCNA R&S)

CISCO CERTIFIED NETWORK ASSOCIATE - SECURITY

Duration: 2 Weeks | 4 Hrs Per Day (starts on 15th of every month)

Batches: Morning: 7.30 or Evening: 6.00

Fees: ₹7,500/-+ 14% Service Tax

(Pre requisite is CCNA Security at ZOOM)

CISCO CERTIFIED NETWORK PROFESSIONAL - SECURITY

Duration: 2 Weeks | 4 Hrs Per Day (starts on 30th of every month)

Batches: Morning: 7.30 or Evening: 6.00

Fees: ₹9,500/-+ 14% Service Tax

(Pre requisite is CCNA & CCNP Security at ZOOM)

CISCO CERTIFIED INTERNETWORK - SECURITY

Duration: 1 Month | 4 Hrs Per Day

Batches: (Contact the Counselors for the next available batch)

Fees:₹15,500/-+ 14% Service Tax

VMware vsphere (Pre requisite is MCSE)

Duration: 1 Month | 4 Hrs Per Day (starts on 15th of every month)

Batches: Morning: 7.30 and Evening: 7.30

Fees: ₹ 4,950/-+ 14% Service Tax

VMWare vSphere)

Duration: 1 Week | 4 Hrs Per Day (starts on 15th of every month)

Batches: Morning: 9.30 to 11.30

Fees: ₹ 2,500/-+ 14% Service Tax

Duration: 2 Weeks | 4 Hrs Per Day

Batches: (Contact the Counselors for the next available batch)

Fees: ₹5,500/-+ 14% Service Tax

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ABOUT US

ZOOM Technologies India Pvt. Ltd. is a pioneering leader in network and security training, having trained over a hundred thousand engineers over the last two decades.

We offer a world class learning environment, with state-of-the-art labs which are fully equipped with high-end routers, firewalls, servers and switches. All our courses are hands-on so you'll get much needed practical experience.

The difference between us and the competition can be summed up in one simple sentence. Our instructors are real-time network professionals who also teach.

Zoom has designed, developed and provided network and security solutions as well as training to all the big names in the Indian industry, for the public sector as well as corporate leaders. Some of our clients are:

TATA
BSNL
VSNL
Indian Railways
National Police Academy
Air Force Academy
IPCL- Reliance Corporation
CMC
British Army

No other training institute can boast of a customer base like this. This is the reason for the resounding success of our networking courses. If you do not have the right skills, then get them now. Come, join the experts!

Training Centers in Hyderabad, India.

Banjara Hills

HDFC Bank Building, 2nd Floor, Road # 12, Banjara Hills, Hyderabad - 500 034 Telangana, India.

Phone: +91 40 23394150 Email: banjara@zoomgroup.com

Ameerpet

203, 2nd Floor,
HUDA Maitrivanam, Ameerpet,
Hyderabad - 500 016
Telangana,
India.

Phone: +91 40 39185252 Email: ameerpet@zoomgroup.com

Secunderabad

Navketan Building, 5 Floor, # 501 Secunderabad - 500 003 Telangana, India.

Phone: +91 40 27802461 Email: mktg@zoomgroup.com

Dilsukhnagar

Ist Floor, # 16-11-477/B/1&B/2, Shlivahana Nagar, Dilsukhnagar, Hyderabad - 500 060 Telangana, India.

> Phone: +91-40-24140011 Email: dsnr@zoomgroup.com

website: www.zoomgroup.com